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MINNESOTA:

ITS ADVANTAGES

TO SETTLERS.



PUBLISHED BY THE STATE.

SEND LIST OF NAMES TO

GIRART HEWITT, ST. PAUL, MINNESOTA,

BY WHOM IT WILL BE MAILED, FREE OF CHARGE,
TO EACH NAME SENT HIM AGEON GE

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Lourth Gaition.

READ AND CIRCULATE.

1867.

Governor Marshall's Message to the Minnesota Legislature, January 10, 1867, contains the following:

Total Permanent School Fund of Minnesota. \$1,333,161,60 Official Report from Surveyors of Logs and Lumber scaled in 1866. 157.273.944 Estimated value of same. -\$2,359,124,00 Export of Wheat from the State in 1866. 9.267.153 Taxable value of property. \$57,500,000,00 Population of the State. 340,000 Number of miles of Railroad now in operation in the State. 315 Estimated number end of this year. 530

In addition to the United States Land Grants to our Railroads and Schools, Gov. Marshall says the Secretary of the Interior has recently ordered the selection of 500,000 acres for internal improvements in this State, under a half forgotten act of Congress.

The Message also shows that the State debt of \$250,000 is nearly paid from the proceeds of the Sinking Fund, and by next July all but fifty thousand dollars will be paid with funds already provided for.

Official Statistics of Minnesota Land Offices published in St. Paul Press, January 13th, 1867:

Acres sold at Land Offices,			-		731,634
Acres taken under Homestead	Law	in four	years,		1,851,627
Acres entered since 1847,	-		-	-	10,216,723

Congress has granted to the State three million acres for the support of Schools, and seven and a half million acres for the construction of Railroads in Minnesota!

See SPECIAL NOTICE on page 36.

The Railroad Lines and Packet Companies Cards, at the end of this pamphlet, show those coming to the State how they can reach different points. The "Minnesota Stage Co." owned by J. C. Burbank & Co., connect at the end of each Railroad, and traverse the entire State. The "American Express Co." and Telegraph wires are found on every line.

HEWITT'S

REAL ESTATE OFFICE,

SAINT PAUL,

MINNESOTA.

(Established in 1856.)

Sells Farms, Farm Lands, Dwellings, and Business Property. Makes Investments, Loans and Collects Money, Examines Titles, Pays Taxes, &c. &c. (Correspondent for Capitalists.)

GIRART HEWITT,
Attorney at Law.

MINNESOTA:

ITS ADVANTAGES TO SETTLERS.

REING A BRIEF SYNOPSIS OF

ITS HISTORY AND PROGRESS, CLIMATE, SOIL, AGRICULTURAL AND MANUFACTURING FACILITIES, COMMERCIAL CAPACITIES, AND SOCIAL STATUS:

ITS LAKES, RIVERS AND RAILROADS;

HOMESTEAD AND EXEMPTION LAWS;

EMBRACING A CONCISE TREATISE ON ITS

CLIMATOLOGY, IN A HYGIENIC AND SANITARY POINT OF VIEW;

ITS UNPARALLELED SALUBRITY, GROWTH AND PRODUCTIVENESS,

AS COMPARED WITH THE OLDER STATES:

AND THE

ELEMENTS OF ITS FUTURE GREATNESS AND PROSPERITY.

FOURTH EDITION.





FOR GRATUITOUS CIRCULATION,

ORDER COPIES TO ANY ADDRESS, FROM GIRART HEWITT, ST. PAUL, MINNESOTA.

STATEMENT.

In the preparation of this pamphlet care has been taken to faithfully and impartially represent the *whole State*, and to avoid exaggeration; believing that Minnesota needs but a plain statement of facts with which to go before the world for her full share of those seeking homes in the Great West.

It is offered for *gratuitous circulation*, in order that persons here and elswhere, knowing our healthy climate and prolific soil, may let their friends and others seeking new homes, know of Minnesota, before they incur the fearful risk of plunging themselves and families into the fever-ridden districts of other States.

I am indebted to Dr. Thaddeus Williams, of St. Paul, for the thorough and reliable treatise on "The Climate of Minnesota, as a Resort for Invalids," and other assistance.

Coming to Minnesota over ten years ago an invalid, myself a beneficiary of its healthy climate, and seeing thousands of like cases, I have felt it a duty and a pleasure to make this effort to let others know what manner of State we have.

GIRART HEWITT.

St. Paul, Minnesota, 1867.

NOTICE.

This pamphlet is published for general gratuitous circulation. The object being to invite attention to our great State, and make Minnesota known everywhere. For that purpose it is deposited with GIRART HEWITT, ST. PAUL, MINNESOTA, who will mail it to any names sent him, and cheerfully answer letters of inquiry as to this State.

Entered according to Act of Congress, in the year 1867, by GIRART HEWITT, in the Clerk's Office of the District Court of the United States for the District of Minnesota.

MINNESOTA:

ITS ADVANTAGES TO SETTLERS.

GEOGRAPHICAL.

The State of Minnesota is one of the youngest in the united sisterhood of States. It was admitted into the Union in May, 1858, being the thirty-second State admitted into the Union. It derives its name from two Indian words, "Minne" and "Sotah," "sky-tinted water," in reference to its numerous and beautiful streams and lakes which from their crystal purity reflect the clear, steelblue skies. The State lies between 43° 30′ and 49° north latitude, and 91° and 97° 5′ west longitude. It is bounded on the north by the British Possessions; on the south by the State of Iowa; east by Wisconsin and Lake Superior, and west by Dakota Territory. Its estimated area is 84,000 square miles, or about 54,000,000 acres, thus making it one of the largest States in the Union, being nearly equal to the combined areas of the large and populous States of Ohio and Pennsylvania, and embracing a larger extent of territory than the whole of New England, capable of eventually sustaining a population equal to

that of England.

Advantageous Geographical Position .- The geographical position of Minnesota is the most favored on the continent. Its location is central between the Atlantic and Pacific Oceans, Hudson's Bay on the north, and the Gulf of Mexico on the south. It is also midway between the arable limitsof the continent, where the products of agriculture attain their most perfect development. Generally speaking, the valleys of the Mississippi, St. Lawrence and Red River may be said to rise in the form of a huge convex mass, which culminates in the sand dunes or drift hills in the northern part of Minnesota, where those three great rivers take their rise and flow north, south and northeast. Minnesota is thus the actual summit of the continent, and the pinnacle of the watershed of North America. In reference to this fact, the Hon. Wm. H. Seward, in a speech delivered at St. Paul in 1860, says, "Here spring up almost side by side, so that they may kiss each other, the two great rivers of the continent," the Mississippi and the St. Lawrence, rising almost within a stone's throw of each other, and running in opposite directions,—the one half way to Europe, the other bearing our commerce to the Gulf of Mexico, gathering the products of the cotton plantations of the South and bringing them to the vast water powers of the Upper Mississippi.

The arable area of the vast territory northwest of us—bounded on the north by the line of arctic temperature, and south by the arid sandy plains—is projected through the valley of the Saskatchewan to the Pacific border; "grimly guarded by the Itasca summit of the Mississippi, 1680 feet high on the east, and the Missouri coteau, 2000 feet high on the west," it forms "the only avenue of commercial communication between the east and west coasts, the only possible route of a Pacific railway, and the only theater now remaining for the formation of new settlements." Lying exactly across the commercial isthmus thus hemmed in, and which is the only outlet of this vast region to the Eastern and Southern States, Minnesota is the gateway between the eastern and western sides of the continent. "Through this one pass," says Mr. Wheelock, "between the con-

tinental deserts of saud and ice, must flow the great exodus now dashing itself in vain against their shores, as the tribes of Asia flowed into Europe through the passes of the Caucasus. Every advancing wave of population lifts higher and higher this gathering flood of American life, which, the moment that it begins to press upon the means of subsistence, must pour all its vast tide through this narrow channel into the inland basins of the Northwest—till the Atlantic

and Pacific are united in a living chain of populous States."

This commanding physical position of Minnesota gives it the key and control of the outlet of the great mass of the commerce of the immense and productive regions of the western and northwestern portions of the continent-regions as vet almost a wilderness, but whose incalculably large exports and imports, following the inexorable laws of commerce, must find their highway through our State, when at no distant day those large and fertile districts north and west of us swarm with the industry of empires, and pour their wealth into our coffers, giving us a significance second to none in the world. Not only that, but, instead of passing by us and going two thousand miles east to trade, the workshops and factories which even now are opening up so rapidly on our water-powers will supply them and enrich us; thus making this vast region tributary to us as surely as the West ever has heretofore been tributary to the East. Noticing this fact, in the speech already alluded to, Mr. Seward says, "Here is the place, the central place, where the agriculture of the richest region of North America must pour out its tributes to the whole world. On the east, all along the shore of Lake Superior, and west, stretching in one broad plain, in a belt quite across the continent, is a country where State after State is yet to arise, and where the productions for the support of human society in the old, crowded States must be brought forth." Then follows the remarkable and far-seeing views of this great statesman and politician, that Minnesota is yet to exercise a powerful influence in the political destinies of this continent. "Power is not to reside permanently on the eastern slope of the Aleghany mountains, nor in the seaports. Seaports have always been overrun and controlled by the people of the interior. and the power that shall communicate and express the will of men on this continent is to be located in the Mississippi Valley, and at the sources of the Mississippi and St. Lawrence." Mr. Seward only expresses the fact, taught by the whole past history of the whole world, that empire travels westward, when he asserts, "I now believe that the ultimate, last seat of government on this great continent will be found somewhere within a circle or radius not very far from the spot on which I stand, at the head of navigation on the Mississippi River."

The future destiny of Minnesota therefore is to be a glorious one, and fortunate the descendants of those who may now obtain an interest and foothold within her borders. We will proceed to speak more specially of the true elements of this future greatness and prosperity, as already indicated by the

unerring logic of facts and unparalleled growth.

HISTORICAL OUTLINE.

Minnesota is what was once the "land of the Dakotas," who inhabited it long before their existence was known to white men. Their chief council chamber was in Carver's Cave, near where the present capital of the State now stands.

The honor of discovering Minnesota is divided between Louis Hennepin, a Franciscan priest, and DuLuth, a French explorer. Hennepin was sent out in the spring of 1680 to explore the Upper Mississippi in company with two traders; he was captured by the Indians and carried to the present site of St. Paul. On his return in June, he met DuLuth and a party of explorers. He claims to have discovered the Falls of the Mississippi, and bestowed upon them the name of St. Anthony in honor of his patron saint.

In 1689, Perrot, accompanied by LeSueur and others, took formal possession of the country embracing Minnesota, in the name of France, and established a fort on the west shore of Lake Pepin. Although discovered upwards of two hundred years ago, the settlement of Minnesota did not commence until about twenty years ago, with the exception of a few scattering pioneer hunters, traders

and missionaries, who took up their abode in it at a much earlier date. During the lapse of two centuries the vast northwest, embracing the best lands and climate on the continent, remained a wilderness, while the Atlantic and Western States were being settled. Very vague and erroneous notions prevailed in regard to this region, which was popularly supposed to be too cold and inhospitable for agricultural pursuits. But this region reproduces the west and north of Europe, containing the most powerful and enlightened nations on the globe, with the exceptions caused by vertical configuration only, and gives an immense and yet unmeasured capacity for occupation and expansion, containing an area above the forty-third parallel, perfectly adapted to the fullest occupation by cultivated nations, not inferior to the whole of the United States east of the Mississippi.

This region, extending to the Pacific, and of which Minnesota is the "garden spot," is yet destined to supersede in wealth and agricultural and manufacturing importance the older part of the United States, lying on the Atlantic coast and east of the Mississippi, and to become the seat of empire on the American

continent.

"The parallel in regard to the advancement of American States here may be drawn with the period of the earliest trans-Alpine Roman expansion, when Gaul, Scandinavia, and Britain were regarded as inhospitable regions, fit only for barbarian occupation. The enlightened nations then occupied the latitudes near the Mediterranean, and the richer northern and western countries were unopened and unknown."*

In the year 1695, the second post in Minnesota was established by LeSueur; and in October, 1700, he explored the Minnesota and Blue Earth rivers and established another post on the latter. From this period up to 1746, the history of Minnesota is nothing more than the history of the adventures of LeSueur and the traders among the Indians, and the wars of the latter among themselves, and is full of wild and romantic incidents. At this time France and England were involved in a war which extended to their colonies in the New World, and the French enlisted many savages of the Upper Mississippi on their side.

On the 8th of September, 1760, the French delivered up their posts in Canada to the English. By a treaty made at Versailles in 1763, France ceded the territory comprised within the limits of Minnesota and Wisconsin to England. But for a long time the English got no foothold in their newly acquired territory, owing to the greater popularity of the French, many of whom had married Indian wives. But little was known of the country previous to 1766, when Jonathan Carver of Connecticut explored it, and afterwards went to England and wrote a book of his adventures. Even at this early day, though over a thousand miles intervened between the Falls of St. Anthony and any white settlement, the explorer was impressed with the beauty and fertility of the country, and spoke of the commercial facilities its future inhabitants would enjoy via the Mississippi and the northern chain of lakes. Carver's Cave at St. Paul, in which several bands of Indians held an annual grand council—making it the capital of the State a hundred years ago—was named after him.

After the peace between the United States and England in 1783, England ceded her claim to the territory south of the British Possessions to the United States. December 20, 1803, the province of Louisiana, embracing that portion of Minnesota west of the Mississippi, was ceded to the United States by France, who on the first of the same month had received it from Spain; the latter objected to the transfer, but withdrew her opposition in 1804. In 1805, Gen. Zebulon M. Pike explored this region of country, and his reports, and those of Long, Fremont, Pope, Marcy, Stansberry, and other military officers exerted a large influence in first attracting attention to Minnesota as a field for settlement. He obtained a grant of land from the Sioux Indians on which Fort

Snelling, five miles above St. Paul, was built in 1820.

The English traders still lingered in Minnesota after its cession to the United States, and incited by them against the Americans, the Indians became trouble-

[&]quot; Blodget's Climatology of the United States," page 529.

some, and during the war of 1812 generally took sides with the English. After the peace of 1815 they acknowledged the authority of the United States, but the Ojibways and Dakotas (or Siouxs) being hereditary enemies continued to war among themselves. In 1812 a small settlement was formed in the Red River country, composed principally of Scotchmen, under the auspices of Lord Selkirk. They were greatly persecuted by the Hudson Bay Company, who claimed the sole right of hunting and trading for furs in the northwest. In 1821, "after years of bloodshed, heart-burnings, fruitless litigation, and vast expense, the strife was concluded by a compromise between the two companies." In 1822, the first mill in Minnesota was erected where Minneapolis now stands. In 1823, the first steamboat that ever ascended the Mississippi above Rock Island, arrived at Fort Snelling to the great astonishment of the natives.

In 1820, Missouri was admitted into the Union as a State, leaving the territory north of it, including Iowa and all of Minnesota west of the river, without any organized government. In 1834, it was attached to Michigan for judicial purposes. In 1836, Nicollet arrived in Minnesota and spent some time in exploring

the sources of the Mississippi.

In 1837, the pine forests of the valley of the St. Croix and its tributarieswere ceded to the United States by the Ojibways; and the same year the Dakotas ceded all their lands east of the Mississippi. These treaties were ratified June

15, 1838.

One of the earliest settlers in St. Paul, the present capital of the State, was named Phalon. Other families from the Red River settlement settling there, Father Gaultier, a Catholic missionary, built a log chapel, "blessed the new basilica," and dedicated it to St. Paul, which thus came to be the name of the city, which previous to that time had been called "Pig's eye." In 1848, St. Paul was a small settlement, and contained only 840 inhabitants in 1849; in 1855 it had four or five thousand; 10,600 in 1860, and about 14,000 in 1865, and 16,000 in 1866.

In 1843, the settlement of Stillwater, on the St. Croix, 18 miles from St. Paul,

was commenced.

Territorial Organization.—On the 3d of March, 1849, the Territory of Minnesota was organized, its boundaries including the present Territory of Dakota, and St. Paul designated as the capital. April 28th the first newspaper was issued in the new capital. Alexander Ramsey was appointed Governor, and arrived with his family the latter part of May. On the first of June he proclaimed the Territorial government organized. The Territory contained 4,680 inhabitants at this time.

After the organization of the Territory, immigration flowed in rapidly, and both St. Paul and country were settled very fast. On the 1st of August, 1849, the first delegate (H. H. Sibley) was elected to Congress, and on the 3d of September the first Legislative Assembly met and created nine counties. In

1850, small steamboats commenced to run on the Minnesota river.

In 1851, an important treaty was effected with the Dakotas, by which their title to the west side of the Mississippi and the valley of the Minnesota river was extinguished, and this vast tract open to settlement. At a very early day Minnesota took the subject of common schools in hand, and the first report of a Superintendent of Public Instruction was presented to the third Legislative

Assembly, which met in January, 1852.

From this time forward immigration flowed into Minnesota at high tide, and the State filled up with unprecedented rapidity. Villages and towns sprang up as if by magic. Land speculation ran high, and during the period of the greatest inflation of prices, the financial crash of 1857 fell like a thunderbolt. Great distress and stagnation of business was the direct result, and for a year or two the rapid growth of the State was arrested. But the remoter consequences of the crash were permanently beneficial to the State. Towns had sprung up like mushrooms without sufficient tributary agricultural districts to support them. Rent and living were ruinously high. After the crash, the speculator's occupation was gone; the energies of the inhabitants were directed to manufactures

and agriculture—the basis of all true State or National prosperity. Previous to that era, breadstuffs had been imported; in 1854 the number of plowed acres in the State was only 15,000; in 1860, there were 433,276, and in 1866 fully one million acres. Minnesota was suddenly developed as one of the finest grain growing States in the Union, and in 1865 exported upwards of eight million

bushels of wheat, and in 1866, over ten million bushels.

Admitted into the Union.—The State Constitution was framed by a convention elected for that purpose, which assembled at St. Paul in July, 1857, and it was voted upon and adopted the ensuing October. The State was admitted into the Union in May, 1858, and the State government organized. In 1861, when the rebellion broke out, our State promptly responded to all the calls made on her for men and money, though at a greater detriment to her growth and prosperity, perhaps, than that of any other State. Being a new State, she had no surplus population, and her quotas were taken from her grain fields, workshops and pineries. With a population of about 175,000 at the beginning of the war, she furnished about 24,000 men to the Union armies. Few States have such a record.

The Indian Massacre.—In August, 1862, one of the most fiendish and widespread massacres recorded in American history took place upon the western frontier of Minnesota by the Dakota or Sioux Indians. A large military force, commanded by Gen. Sibley, was at once sent out, which soon laid waste the whole Indian country belonging to these tribes, killed "Little Crow," their leader. and utterty routed and subdued their braves. A large number were captured; some of them tried and sentenced to death—of these 38 were hung, and the others with their entire tribes, were, under the order of the General Government,

sent clean out of the country to a reservation beyond the Missouri river.

Remarkable Progress of the State.—It will thus be seen that Minnesota has had extraordinary obstacles to overcome. The financial panic of 1857, the rebellion of 1861, and Indian war of 1862, have undoubtedly greatly retarded her growth; yet, notwithstanding those drawbacks, she has grown more rapidly than any State in the Union. Her percentage of increase from 1860 to 1865 was 451 per cent., while that of Wisconsin was only 12, Illinois 27, Iowa 11, Michigan 73. All danger from Indians has long since vanished; perfect security reigns, and homes in the most remote parts of the State are as secure as those of New-England. In 1865 the population of the State was 250,000, an increase of 78,000 since 1860; the increase during the past year, 1866, is estimated at about 60,000.

Government.—The State government is very similar to that of the other Western States. The constitution secures civil and religious rights to all; immigrants of proper age are allowed to vote after a residence of four months, and foreign-

ers secure very liberal terms of citizenship.

The present State Officers are as follows: --William R. Marshall, Governor: THOMAS H. ARMSTRONG, Lieutenant Governor; HENRY C. Rogers, Secretary of State; Chas. McIlrath, Auditor; Chas. Scheffer, Treasurer; Wm. Col-VILLE, Attorney General.

EXEMPTION LAWS OF MINNESOTA.

Humane and Just Provisions.—Too much credit cannot be accorded the men of our Legislature for the wise and liberal provisions of our State Homestead and Exemption Law. When we recall for a moment the statutes of the older States in that barbarous age when an Exemption Law "of one hundred dollars," and "imprisonment for debt" disgraced their law-books, and contemplate the succession of revulsions that we have seen sweeping over the land, prostrating the business and business men, the energetic, progressive, live men of our country almost in a night, themselves, and those dependent on them, involved in one common ruin, say whether I too much honor those men whose legislation comes up to the spirit of the age in which we live, who have placed upon the statutes of Minnesota a Homestead and Exemption Law more liberal than that of any other State!

I quote from the statutes of 1866, page 498:

That a homestead consisting of any quantity of land not exceeding eighty acres and the dwelling house thereon and its appurtenances, to be selected by the owner thereof, and not included in any incorporated town, city or village, or instead thereof, at the option of the owner, a quantity of land not exceeding in amount one lot, being within an incorporated town, city or village, and the dwelling house thereon and its appurtenances, owned and occupied by any resident of this State, shall not be subject to attachment, levy or sale, upon any execution or any other process issuing out of any court within this State."

Thus it will be seen that we have no limitation as to the value of the farm or residence thus secured to the family. It may be worth one thousand or ten thousand dollars. Whatever it is, it remains the shelter, the castle, the home of the family, to cluster around its hearths one in the hour of gloom and disaster, as

securely as they were wont to do in the sunshine of prosperity.

While there may be those who prefer an exemption by value rather than area, and urge that one so liberal as ours can be taken advantage of by knaves, it must be remembered that no general law can be framed for the protection of the helpless and unfortunate, that will not be sometimes taken advantage of by others. We think it may be safely asserted that an exemption law such as ours, is found a blessing to thousands of worthy men, women and children for every one unworthily shielded by its provisions.

Personal Property Exempted.—In addition to the home, there is also exempted a proportionately liberal amount of personal property, consisting of household furniture, library, horses, cattle, sheep, hogs, wagons, farming utensils, provisions, fuel, grain, &c., &c., and all the tools and instruments of any mechanic, and four hundred dollars' worth of stock in trade; also the library and im-

plements of any professional man. See State laws, page 489.

UNITED STATES HOMESTEAD LAW.

Large numbers are availing themselves of the liberal Homestead Law passed by Congress, and now in force. Minnesota possesses the only domain attractive to this class of settlers—having nearly forty million acres of public land yet open to entry and settlement. This law provides that each settler, in five years' occupation, becomes the owner of "160 acres by paying the sum of ten dollars and the fees of the land officer, provided he be a citizen of the United States or has declared his intention to become such;" and it further provides that "no land acquired under the provisions of this act shall in any event become liable to the satisfaction of any debts contracted prior to the issuance of the patent therefor." In view of the immense quantity of "broad acres" thus offered without cost, situated as they are all over this new State, in districts well watered and timbered, where the mails and express are now extended, and railroads and telegraphs rapidly pushing their way, it is not surprising that thousands are coming into Minnesota annually to secure good farms for themselves and their families—farms that will, in a few short years, be in the midst of cultivated neighborhoods, with churches and school-houses arising at every hand, amid all the surroundings of civilization and progress.

LAND OFFICES.

The land offices for the several land districts of Minnesota are located at the following places:—St. Peter, Nicollet County; Greenleaf, Meeker County; Winnebago City, Faribault County; St. Cloud, Stearns County; Taylor's Falls, Chisago County; Duluth, St. Louis County.

DEMAND FOR LABOR IN THE WEST.

It is said a young man recently wrote Mr. Greeley of the "Tribune," to obtain a situation, and he replied that "New York is just entering upon the interesting process of starving out 200,000 people whom war and its consequences has driven hither. It is impossible to employ more until these are gone."

The journals of Eastern cities are annually filled with complaints that there is a surplus of laborers and operatives in the East seeking work; that the com-

petition for employment is often such that workmen are willing to accept wages as follow what is to the entire and their families; that the offices of European Connuls are he at with fereigners who have extended from nears seeking employment a the crowded European ettles. This does not aid will not in a him lead years apply to the great West face. Indeed one can scarcedy imagine a condition of things at the West that will make it otherwise. Laborers and working not a almost every branch of industry are generally in scant supply and great democi throughout the West. Those linguistic around the crowded scaports of the East with as hope beyond a mere subsistence, their families growing up in a overly and vice, having no chance with others in the world, should turn their attention to the great West, where a free homestead, rich lands, education for their children, and a healthy climate invites them. Our pincries alone, give employment to over 3,000 mes, to say nothing of other branches of the lumber of the proof our numerous railroads now under construction.

PHYSICAL CHARACTERISTICS OF THE STATE.

Physical Districts—The physical characteristics of a country exect an important millione on its inhabitants. "Grand scenery, leaping waters, and a cracker at a specific produce we who dwell where the land is on a dead level, and where the streams are all sluggard. We associate heroes like Tell and Bruce with the mean mins of Switzerland and the highlands of Scotland." Although Minnesses as not a mountainess constry by my means, its general elevation gives tall the advantages of one, without its objectionable teatures. Being equidistant from the Atlantic and Pacific occasis, situated on an elevated plateau, and with a system of lakes and rivers ample for an empire, it has a peculiar climate of its own, possessed by no other State.

The general surface of the greater part of the State is even and undulating, and idea unity divers. Led with rolling prairies, vast helts of timber, oak openings, the cross lakes and streams, with their accompanying meadows, waterfalls, wooded raynes and lofty blads, which impart variety, grandour and picturesque beauty

to its scenery.

The State may be divided into three principal districts. In the northern and western part of the State an exception to its general evenness of surface occurs in an elevated district which may be termed the highlands of Minnesota. This district, resting on primary rocks, is of comparatively small extent—16,000 quare miles—and covered with a dense growth of pine, fir, spruce, &c.; it has an elevation of about 450 feet above the general level of the country, and is covered with kills of diluvial sand and drift, from S5 to 100 feet in height, among which the three great rivers of the American Continent—the Mississippi, St. Lawrence, and Red River—take their rise. The temperature of this district is frum 5 to 8 degrees lower than that of the rest of the State; although possessing some good land, its principle value consists in its immense forests and its roll mineral deposits of copper, iron and the precious metals.

The valley of the Red River forms another district larger than the highlands, containing 18 000 square miles, with a deep, black soil composed of alluvial mould, and rich in organic deposits. This district produces the heaviest crops of grain, especially wheat, of any section in the United States. It has a subsoil of play, is but sparsely timbered, with but few rivers or lakes, and is not

therefore so well drained as other parts of the State.

The Mississippi valley compress the third district; it contains about 50,000 square in less or about three fifths of the whole State. It is the "garden spot" of the Northwest, and comprises one of the finest agricultural districts in the world. It is gracial characteristics are those of a rolling prairie region resting on so ordiner region, it is unusually well drained, both by the nature of the soil, which is a warm, dark calcareous and sandy form, and the immunerable lakes and streams which cover its surface with a perfect network. It is dotted by numerous and extensive groves and belts of timber. These main districts are also

subdivided into smaller ones by the valleys of the numerous streams which in-

tersect them; but space does not admit of a detailed description.

Rivers and Streams.—The Mississippi river, 2.400 miles long, which drains a larger region of country than any stream on the globe, with the exception of the Amazon, rises in Lake Itasea, in the northern part of Minnesota, and flows southeasterly through the State 797 miles, 134 of which forms its eastern boundary. It is navigable for large boats to St. Paul, and above the Falls of St. Anthony for smaller boats for about 150 miles farther. The season of navigation has opened as early as the 25th of March, but usually opens from the first to the middle of April, and closes between the middle of November and the first of December. In 1865 and 1866, steamboat excursions took place on the first of December, from St. Paul, and the river remained open several days longer. The principal towns and cities on the Mississippi in Minnesota, are, from below upwards, Winona, Wabashaw, Lake City, Red Wing, Hastings, St. Paul, Minneapolis, St. Anthony, Anoka, Dayton, Monticello, St. Cloud, Sauk Rapids, Watab.

The Minnesota River, the source of which is among the Coteau des Prairies, in Dacotah Territory, flows from Big Stone Lake, on the western boundary of the State, a distance of nearly 500 miles, through the heart of the southwestern part of the State, and empties into the Mississippi at Fort Snelling, 5 miles above St. Paul. It is navigable as high up as the Yellow Medicine, 23S miles above its mouth, during good stages of water. Its principal places are Shakopee, Chaska, Carver, Belle Plaine, Henderson, Lesneur, Traverse des Sioux, St. Peter, Man-

kato and New Ulm.

The St. Croix River, rising in Wisconsin, near Lake Superior, forms about 130 miles of the eastern boundary of the State. It empties into the Mississippi nearly opposite Hastings, and is navigable to Taylor's Falls, about 50 miles. It penetrates the pineries and furnishes immense water power along its course. The

principal places on it are Stillwater and Taylor's Falls.

The Red River, rises in Lake Traverse, and flows northward, forming the western boundary of the State from Big Stone Lake to the British Possessions, a distance of 380 miles. It is navigable from Breckenridge, at the mouth of the Bois de Sioux River to Hudson's Bay; the Saskatchewan, a tributary of the Red River, is also said to be a navigable stream, thus promising an active commercial trade from this vast region when it shall have become settled up, via the St. Paul and Pacific railroad, which connects the navigable waters of the Red River with those of the Mississippi.

Cannon River, dividing Dakota and Goodhue counties, it is said can be made a navigable stream by slack-water improvements, for which purpose a company

with a capital of \$50,000 has been formed.

Among the more important of the numerous small streams are Rum River, valuable for lumbering; Vermilion River, furnishing extensive water power and possossing some of the finest cascades in the United States; the Crow, Blue Earth, Root, Sauk, Le Sueur, Zumbro, Cottonwood, Long Prairie, Red Wood. Waraju, Pejuta Ziza, Mauja Waken, Buffalo, Wild Rice, Plum, Sand Hill, Clear Water, Red Lake, Thief, Black, Red Cedar, and Des Moines rivers; the St. Louis River, a large stream flowing into Lake Superior, navigable for twenty-one miles from its lake outlet, and furnishing a water-power at its falls said to be equal to that of the falls of the Mississippi at St. Anthony, and many others, besides all the innumerable hosts of first and secondary tributaries to all the larger streams. The sources of most of these streams being high, their descent is considerable, furnishing the finest system of water-powers of every grade in the world. Many of the brooks, with deep cut channels, are full of trout, leap and dance merrily over the prairies, often taking sudden leaps, forming beautiful and romantic cascades. One of these, on the outlet of Lake Minnetonka, has been immortalized by Longfellow in Hiawatha:

"Here the Falls of Minne-ha-ha, Flash and gleam among the oak trees, Laugh and leap into the valley."

portion of the eastern boundary of Minnesota, giving it 167 miles of lake court with one of the best natural barbors and break waters, at Du Luth, Minnesota to be found on any coast. When the Superior and Mississippi railroad is completed, accepting the commercial centro of the State with Lake Superior

a large lake commerce will spring into existence.

Be note, the whole artis e of the State is literally begenmed with immunerable lates, estimated by School raft it 10000. They are of all sizes, from 500 yards in diageter to 10 miles. Their posturesque beauty and lovelness, with their polarity notions, transported waters, wooded shores and sylvan associations, roust be seen to be fully appreciated. They all abound in fish, black and rock bas, pockers, per perch cat sincish, &c., of superior quality and flavor; and in the pring and fall they are the hausts of humin rable duck, goese, and other wild find. In some places they are solltary, at others found in groups or chains. Many are without untlets, others give rise to meandering and meadow-hordered irred. These lakes as this region for water, penetrating the soil and by their extends the seguence of a true for the late of Maury ays of Marcos to, that although far from the sea, "it may be considered the last watered State in the Union, and it doubtless owes its aboundance of summer rains measurably to this lake system."

Forests.—Among those enacquainted with the State, Minnesota is apt to be regarded as a peakle country, destillate of tumber. On the contrary, there is no

Western State better supplied with forests.

In the northern part of the State is an immense forest region estimated to cover upwards of 21,000 square miles, constituting one of the great sources of health and industry of the State. The prevaiing wood of this region is pine, with a considerable proportion of asia birch maple, clin, peplar, &c. West of the Mississippi, lying between it and the Minnesata, and extending south of that stream, is the Big Woods, about 100 miles in length and 40 miles wide. This district is fall of lakes, and broken by small openings. The prevailing woods are eak, magle, eim, ash basswood, butternut, black walnut and hickory. Besides these two large forests, rearly all the streams are fringed with woodland, and dere forests of considerable extent cover the valleys. The extensive buttoms of the Mississipps, Minnesoft and Bine Earth are covered with a heavy growth of white and black walnut, maple, boxwood, hickory, linden and cottonwood. The valleys of the Zambro and Root rivers support large tracts of forests growth. They are found more or less in Wabashaw, Dodge, Steele, Fillmore, Mower, Freeborn and Other to date contiguous counties.

But the cake openings, de traented in groves and large parks through the uplands along the margins of the numerous streams, from a large resource of the prairie population for domestic and mechanical purposes. Towards the western boundary of the State the timber recomes more sourty, and it assumes more the character of a vast prairie region, dotted here and there with groves and leits of the lost fringing the Relver and the minor streams. The choice timbered lands and oak openings will be first selected by the settler, and the treeless prairies of the western frontler will be covered with a more in a few years, as soon as the sourced source of the prairie for is checked. Wherever these fires are

arrested the hard is soon covered by a dense growth of timber.

THE PINERIES AND LUMBERING INTEREST.

The vast pine forests cover the northern part of the State, extending from Lake Superior to the outlet of Red Lake, and extending as far south as latitude 46 to Anoka county. The proof part part of the latitude 46 to Anoka county. The proof part part of the latitude 46 to Anoka county. The proof part part of the St. Croix. Kette, Soake, Rum, Crow Wilg and Ottor Tall rivers. The logs are cut in the dead of winds, and when the ground is covered with snow are conveyed to the stream down which they are logical in the jump when the snow and ice melts. The regime for sts to regulatorst rock a stille, constitute a vast source of wealthing a part of the proof of the proof of the stream down to come. They give improvement to a large number of lumbermen, who constitute a hardy class of a lustry as distinct as that of railroad or steamboatmen.

In 1861, the exports of lumber from this State were about 30.000.000 feet. This trade is constantly increasing; in 1865 upwards of 83,000,000 feet were manufactured at St. Anthony and St. Croix Falls, besides 15,500,000 shingles, and 16,500,000 laths. The products of 111,000,000 logs, of an aggregate value of \$1,662,810 were exported. In 1866, the amount of logs and lumber cut and manufactured was about 175,000,000 feet.

MINERAL RESOURCES.

Copper and Iron.—The mineral deposits of Minnesota are another important source of wealth. In the northern part of the State copper and iron ore of superior quality are found. The copper mines are situated on the northern shore of Lake Superior, and are rich and extensive. Very pure specimens of copper ore have also been obtained from Stuart and Knife rivers. Thick deposits of iron ore are found on Portage and Pigeon rivers, said to be equal in tenacity

and malleability to the best Swedish and Russia iron.

Coal.—Deposits of coal have been discovered on the Big Cottonwood river, a tributary of the Minnesota, and indications of it have been observed in other localities. A company has been formed to work the Cottonwood veins, and some geologists are confident that rich beds will yet be developed. We are not dependent upon this source, however; our proximity to the immense coal fields of Iowa, connected by railroads now under construction; and our own inexhaustible deposits of peat, proved by experiments referred to under the head of "Peat for fuel," to be almost equal to coal, will afford us for the future an ample and cheap supply of fuel for domestic and manufacturing purposes.

The Precious Metals.— A geological survey, made under the auspices of the State in the summer of 1865, developed the existence of the precious metals on the shores of Vermilion Lake, 80 miles north of the head of Lake Superior. Scientific analysis attested the presence of gold and silver, in the quartz surface rock, in sufficient quantities to warrant the employment of labor and capital in their extraction, for which object a number of joint stock companies have been formed and a considerable number of enterprising persons provided with necessary appliances for mining, have repaired to that place in search of gold. There is good reason to believe the search will be successful."—H. C. Rogers, Com-

missioner of Emigration.

But the richest mines of wealth belonging to any State is a productive soil, and in this Minnesota is unequalled. There is a mine of gold on every farm of

160 acres, and it requires no capital to work it except industry.

Granite.—A fine bed of granite, equal to the best Quincy granite for building

purposes, crops out at Sauk Rapids.

Limestone of fine quality for building purposes is found in many portions of the State, (in fact nearly all over it.) and affords ample material for the manufacture of lime.

Sandstone exists at Fort Snelling, Mendota, and other points in inexhaustible quantities. A fine white sand for the manufacture of flint glass abounds near St. Paul, said to be equal to any in the world. An extensive quarry of slate stone is found on the Saint Louis River, and probably exists at other points. A kind of blue clay, underlying the soil in a large part of the State makes brick of a good quality. White marl occurs in large beds at Minneapolis, St. Anthony and other places; it is used for pottery manufacturing, and also makes a hard durable brick similar to the famous "Milwaukee brick." In Wabashaw county a bed of the finest porcelain clay has been found.

Salt Springs.—Numerous very pure sait springs, yielding upwards of a bushel of salt to every twenty-four gallons of water, abound in the Red River valley The northwest, which consumes vast quantities of salt for pork and beef packing, and other purposes, will eventually be supplied from this source. The value of this source of wealth may be estimated from the fact that two million bushels are annually imported into Chicago alone, from New York and Penn-

sylvania.

Tripoli.—An inexhaustible bed of the purest Tripoli, requiring, according to

Prof. Shaped to preparation to be fit at once for use and commerce, has been the overed year Stellwater. It is twent, feet thick and at least a half mile long.

The use of Tripoles in the aris is very great. Wherever a high point is removed, whether used in tall stone, glass, or even wood, their employment is pure the indispense de, and in very considerable quantities. The consumption is constant increasing; and the demand for the article is destined to know no limit."—Report of Prof. Shepard.

Tapoil a de a tof the silimited remains of animalcules, and contains from 66 to 90 per cent of silex; that descovered in Minnesota contains 77.7 per cent of alex the remainder tenny produpally lime, from and alumina. As the know concests of the earth are rather limited, and the imported article, in no wey appear to that of Minnesota, commands from 25 to 30 cents per pound in Nex York, at while sile, to descovery will increase in importance every year. A company to the perpose of mining Triposi and preparing it for commerce is now in successful operation.

PEAT FOR FUEL.

In a north ru country a ready and cheap supply of fuel is of the first importusce. If any have imagined Minnesota to be a cold, timberless region, let them be at once undecrived. Our paneries are sufficient to supply the whole country with Limber, while throughout the State, the proportion of timbered lands and mairies Is almut what it should be to make it a good farming and stock growing country. Reales nature has made up whatever deficiency there may be of wood god coal with remarks and inexha estable deposits of Peat, a cheap and excelleat substitute for both for opinary use and manufacturing purposes. Peat is a deposit of vegetable matter, principally from a kind of moss, which has collected for a ces in hers and bugs. Vast bods of this material, from twenty to fifty feet deep exists all over the State requiring only to be cut out in square lumps with a hight peak and dried. It burns slowly, and gives off a great quantity of heat. It is idented with the "turf" taken from the peat bogs of Ireland and Scotland, and so extensively used in those countries. For ordinary heating and a a king purposes, it is slimply out out at least shaped places, of any size desired, and proof round to div. When dried, it is carted and piled up under a shed so as to keep dry for use.

Pout is considered to much nery lately invented for that purpose, until almost as solid as storecoal and searly equal to it for heating purposes, and superior to wood. Pout I now used in stead of wood or coal on the Grand Trunk and Great Western Ra reads of Canada. By a test of the heating properties of pear as compared with coal and wood nade by the Boston and Worcester Railroad, in Annust 1856, it was demonstrated that 3½ tons of pear at \$4.50, per ton, worth \$15.65, as come to 4.41 cords of wood, worth \$.0.87 at \$7 per cord, and to 2.25 tons come worth \$29.50 at \$10 per ton. A company was incorporated in \$1 Past company the summer of 1866 for the manufacture of peat. They have brought as matchinery to that propose and are now in full blast on one of the lines peat tools to ar the city. They as one us that they can furnish peat at \$3

per ton, each ton being equal to 11 cords wood.

MINNESOTA AS A STOCK-GROWING STATE.

For a street cattle and horses. More seed a study equal to Hilinois; and for sleep move in this tar section. According to established laws of nature cold consider that it is a go may thy and their quality of wool or furthan warm one above to far and wool bearing assimals are found in perfection only in northern we have the kinds coat of the sheep especially identifies it with a sold one stry, the crossive lead to which their wool subjects them in a warm elimate none at allower. The there of Markonta sheep is remarkably line and that year at they are not allowed to the rot and other discusses so disastrous to sheep a warm a shoots localities. It is asserted by stock growers that sheep from it there while safe fag it is the rot speedily become healthy, and the same has been said of here so the growers and shortness of breath. The sleek

and velvety appearance of horses here in summer time gives them the appearance of highly kept stallions. The cattle raised here are also remarkably healthy, the unanimous testimony of butchers being that they seldom meet with a diseased liver.

Our fine, rich upland meadows afford excellent facilities for grazing purposes; and hay in abundance for keeping stock during the winter may be had for the reaping. The characteristic perfection and nutritious qualities of the grasses in this State enables the farmer to keep his horses and cattle fat on it all winter without grain. The valleys and margins of the numerous streams and lakes, found on almost every farm, furnish an abundance of a clarser grass than that obtained from the upland meadows; this is generally fed to cattle, which are very fond of it both in its green and cured state.

Although the winters in Minuesota are apparently longer, the actual number of days during which stock has to be fed here is no more than in Ohjo and

Southern Illinois.

Hogs also do extremely well here, and the abundance and certainty of the

grain crop enables farmers to raise them as cheaply as elsewhere,

All stock requires shelter during the winter in this climate, but the necessity is no greater than in Indiana, Ohio and Illinois. The washing, chilling and debilitating winter rains of those States are far more injurious to out stock than our severest cold. All the shelter which stock requires here is that readily furnished by the immense straw piles which accumulate from the threshing of the annual grain crop. A frame-work of rails or poles is made, and the straw thrown over it, leaving the south side open. Under this cattle stand, feed on the straw in perfect security from the inclemencies of the severest winter.

SOCIAL STATUS.

The condition of society in all newly settled countries is a subject of interest to the settler. As a general thing the social status, in point of education, morals and refinement, is inferior to that of the older States. But in Minnesota, although outside the capital and its other principal cities we do not boast much artificial refinement, the morals of the community, as shown by our criminal statistics, are at least equal to those of the model States of New-England.

The society throughout the State is good; no prim and retired New-England village could outvie our young and thriving cities with their cleanly, decorous and whitewashed appearance. The population is composed mainly of American, Irish and Germans, but almost every nationality is represented. Most of the settlers are plain, honest, industrious farmers, attracted to our State by the salubrity of its climate, and the productiveness and cheapness of its lands. A large proportion of the population is made up of the best classes from the older States, North and South, who have come to reap the advantages of our fine climate, or to invest their means in property in our fine agricultural districts and in our rapidly growing towns, where immense fortunes have been realized by their rapid and solid growth.

We rarely see here any of that ruffianism and lawlessness which in most new States renders them unpleasant as a permanent residence. It would be as difficult to find a township without its "meeting house" and school house as in Ohio or Pennsylvania. The various religious denominations are proportioned among

the population in about the same ratio as in the older States.

The following table, from the Bureau of Statistics, exhibits the ratio of crime in several States as compared with Minnesota:

00 1 00 000 10 000 000 000 000	our part of the same		
State.	No. of Indictments.	No. of Convictions.	Ratio of Convictions.
Ohio, -	- 3,571	1,234	1 in 1,950
Massachusetts,	- 4,248	1,295	1 in 841
New-York,		1,842	1 in 1,900
Minnesota, -	- 122	44	1 in 3,854

"The comparison is remarkably favorable to Minnesota, but might have been expected in a population chiefly agricultural."

EDUCATION AND SCHOOLS.

Minnesota took the subject of education in hand at an early stage of her settlement, and she may new justly boast of possessing the most munificent endowment for educational purposes of any State in the Union. Two sections of land, 1,2-0 acres, in every town hip, are set apart for sale or lease in aid of common schools, amounting in all to two and a half million acres.

The Superintendent of Public Instruction in his Report for 1-64 says:

"The rapid increase of the current school fund accruing from the interest on the principal arising from the sales of school lands, forms a subject as well of surprise as gratification. The balance in the treasury subject to distribution at the coming February apportionment is \$27,999.28. Amount of interest on permittent for d for 1564, \$38,640.00. Estimated receipts from other sources, \$8,30.72. Making a grand total for the fiscal year ending in December, 1864, of \$75,000.00.

The annual per capita at the last apportionment was 23 cents. At the ensuing apportionment it will amount to 45 cents at least, and during the fiscal year, to \$1.15; and this, notwithstaning the fact that the number of persons reported between the ages of five and twenty-one years, exceeds that of last year by upwards of 14,000. Taking the number of scholars reported the current year as a basis of division, and the showing is \$1.24\for each, a sum which would maintain a respectable school three months in the year, without additional and, paying in a school of 50 scholars a made teacher \$32 per month, and in a school of 75 scholars, an additional female teacher \$16.

"This exhibit springs from an experiment of but two years of sales, and involves the disposal of 20,440 acres of land only, being little more than ensanteenth of the whole number of surveyed school lands in the State.

"Supposing the balance of these lands to be sold at the minimum price of \$5 per acre, and we have a total, the interest on which at 7 per cent., (the legal interest in this state,) would produce an annual school fund of nearly half a million dollars. The lands unsurveyed are left out of the account."

In a communication published by the Auditor of State Nov. 21, 1866, he states that the permanent school fund of the State is now \$1,348,862.55. No in a concept on, he says, can be formed of its ultimate extent. It is now over a million of dollars, and not much over one-twentieth of the lands have been disposed of. With the lands sooil and unsold we have a school fund equivalent to

twenty million dollars already.

Another land grant of 40,089 acres has been made for the endowment of a State University. It has been located at St. Anthony and a fine stone edifice erected for this purpose. Some perumary difficulties have formerly surrounded the Board of Regents, but I am credibly informed that they are now nearly settled, and the school will soon go into operation, affording facilities for every

youth in the State to obtain a free collegiate education.

Private enterprise has also located many excellent private schools, classical and commercial, and seminaries in different portions of the State, thus affording educational facilities equal to those of the older States. The Baptists have a University at Hastings and the Methodists have one at Red Wing. The St. Paul Female Seminary at St. Paul under the superintendence of Rev. J. G. Ribeldafler, and Rishep Scalarry's Mission at Fairband, under the patronage of the Episcopalians, and embracing a preparatory and collegiate department, are all institutions of a high order of merit.

Bryant, Stratton & Pirkey's Commercial College, at St. Paul is equal to any of the links in this great chain of business colleges, also a Commercial College.

at Minueapolis.

There is also an excellent State Normal School for the training of teachers in practical operation at Wassac. In addition the State has a Congressional grant of 120,000 acres of land for the establishment of a first class Agricultural College which is to be excelled at Glencoe, and put in operation in a short time.

An excellent Female Seminary, under the anapices of the Caholies, and conducted by the "Sisters of St. Joseph," in operation at St. Paul.

And a College will soon be opened at Northfield under the auspices of the Congregationalists.

CHARITABLE INSTITUTIONS.

Minnesota, although as yet too young to have a system of the noble public charities perfected, her wants in this line are provided for as soon as felt. An Asylum for the deaf, dumb and blind is in operation at Paribault; ample land grants have been made for the erection of an Insane Asylum, as well as for the support and education of the orphans of soldiers who fell in the late war. The Insane Asylum has been located at St. Peter, and is now in practical operation and ready for the reception of patients. The institution contains about forty patients at this time. There are two Orphan Asylums in St. Paul, one under the auspices of the Protestants, the other of the Catholics.

BANKS.

On the first Monday in October, 1866, there were fifteen National Banks doing business in the State, with an aggregate paid in capital of \$1.650,000, and an aggregate circulation of \$1,474,613, which is at a uniform par value throughout the United States, thus affording good and ample currency for the business purposes of the State.

RIVER TRADE—STEAMBOATS AND BARGES.

The steamboat business of Minnesota, is as yet confined to the Mississippi, the Minnesota and the St. Croix rivers. On the Mississippi the business is principally done by the "North Western Union Packet Company," the "Northern Line," and the "Savannah Packet Company," although a large number of

independent or "wild" boats, as they are called, engage in our trade.

The North Western Union Packet Company, being a union of the "Davidson Line" and the Minnesota Packet Company, has within a few years grown to a large and influential company, starting, it is said with a "Line" consisting of one boat, they now own eleven first class packets, nineteen stern wheel steamers, together with one hundred and thirty-one barges, and employ over 2000 men. The capital stock of this company is \$1,500,000. Their boats ply between Dubuque and St. Paul, and LaCrosse and St. Paul; two boats leaving St. Paul daily, connecting with the III. Central R.R. at Dubuque, Milwaukee R.R. at Prairie du Chien and LaCrosse. This line also has boats on the St. Croix, one boat daily to Taylor's Falls, and on the Minnesota a daily packet besides several freighters.

The Northern Line boats ply between St. Louis and St. Paul, and consist of nine first-class side-wheel packets, eight stern-wheel steamers, and sixty barges,—a boat leaving St. Louis and St. Paul daily. I am unable to give statements of the boats and arrangements of the Savannah Packet Company, plying be-

tween Savannah and St. Paul.

The Collector of Customs at the Port of St. Paul, gives the aggregate tonnage of that port for 1866, at 10,647.37 pounds, which falls far short of the actual amount, because of a large number of the boats being registered at Dubuque and Galena. Were the boats and barges plying to the Port of St. Paul all registered there, the tonnage would double the amount given above.

THE RAILROAD SYSTEM OF MINNESOTA.

In 1857, Congress made a land grant of four and a half million acres to Min-

nesota for railroad purposes. In 1864, an additional grant was made.

These acts grant ten sections, or 6,400 acres of land for each mile of road to be built under it, and projected the great lines which were intended to benefit all parts of the State, and provide for its increasing demands. These lines are as follows:

FIRST DIVISION ST. PAUL AND PACIFIC R. R. CO.

1st.—From Stillwater, via St. Paul and St. Anthony to a point on the western boundary of the State, near or at Big Stone Lake. This line passes through the

centre of the State, and extends from the eastern to the western boundary. It is about 220 m. es long. From Stillwater to St. Paul the line is under the control of the St. llwater & St. Paul R.R. Co., and no effort has yet been made to secure the control of the road is demanded by the constantly increasing traffic between the St. Croix valley and the commercial centre of the State, it will not be long delayed.

From St. Paul to the western boundary of the State, this line is controlled by the First Day ion of the St. Paul & Pact e R. R. Co. The read has been heated at 1st completed and in operation from St. Paul to St. Anthony, ten miles. It has been graded to Lake Ministerna, fifteen miles west of St. Anthony, and a large force is employed for the whole of this winter (1866-7) in profile the construction of the line westward. An expensive bridge over the M. simply river, just above the Falls of St. Authory is under contract to be first by the mille of April 1867. The icon for 60 miles has been purchased, and the constant vextured to complete the road that distance before the close of the year 1867.

24 - A brazzl line from the road above mentioned, starting from St. Authory, thence via St. Cloud and Crow Wing to Pembina, on the great Red River of

the North, in Dacotah Territory, a distance of 420 miles.

From St. Authory to Watab, 70 m les, this line is owned and contolled by the Firt Davison of the St. Paul & Paetfie R. R. Co. It is finished and in operation to St. Chard, 76 miles from St. Paul, and will be completed to Watab during the year 1867.

ST. PAUL AND PACIFIC R. R. CO.

The ballones of this breach Las busing to the St Paul & Pacific R. R. Co. It has been located as far as Crow Wing, but is not as yet under construction.

3d. —A the from some point between St. Cloud and Crow Win; to Lake Superior, a distance of 120 below. This line is controlled by the St. Paul & Pacific R. R. Co., and operations have not yet been commenced thereon.

THE MINNESOTA VALLEY R. R. CO.

4th A fee from St. Paul up the Valley of the Minnesota river to Mankato, the color a southwe terry direction to the Lowa State line; there to meet a road from S. ax C ty, Iowa, to the Minnesota State line. Sioux City is the northeastern termions of a branch of the Central or Union Pacific Railroad.

The "Valley" road is under the control of the Minnesota Valley R. R. Co. The distance from St. Paul to the lowa State line is 170 miles; from thence to Seax (iity, 70 miles. The road is completed and in operation from St. Paul to Belle Plaine. O miles, and will be finished 40 miles farther to Munkato, during the year 1867.

THE MINNESOTA CENTRAL R. R. CO.

Let - A Bre from St. Paul and Minacapolis. (Junction at Mendota,) via Fariba. (a... Own) or a to the north line of the State of Iowa. This line runs almost due with a familiar controlled by the Minnesota Central R. R. Co. (at is about 110 and language and is completed to Owatonia, about 70 miles, where it is true of the Whoma & St. Peter R. R.

Arrange write are to ing made to complete this line during the year 1867, to a just turn with the Medic for Westers Radway of Towa; thus giving us all-rail

connection east and south via Prairie du Chien.

THE WINONA AND ST. PETER R. R. CO.

6th. - A line from Wanna, wa St. Peter, to the western boundary of the State. This is a runs cast and west across the entire State; it is completed to Owatorica 90 miles west of Winnia, and will be finished to the Minnesota civer. 140 miles the year 1807. The line, when completed, will be apwards of 200 miles long. It raterse to the Minnesota Central at Owatonna.

THE SOUTHERN MINNESOTA R. R. CO.

7th. A live from La transmit up the valley of the Root River, through the countres of Houston, Fillmore, Mower, Freeborn, Faribauit, Martin, Jacason, Noble, and Roes, to the western boundary of the State.

This line is controlled by the Southern Minnesota R. R. Co., is completed to Rushford, Fillmore county, about 30 miles west of the Mississippi, and is being energetically pushed forward. It crosses the entire State from east to west, through the southern tier of counties, and is upwards of 250 miles long.

HASTINGS AND RED RIVER R. R.

8th.—A line from Hastings, through the counties of Dakota, Scott, Carver, and McLeod to such point on the western boundary of the State as the Legislature may determine. This grant having been made during the past summer, the line has not y t passed into the control of a company. It is another east and west line across the State.

LAKE SUPERIOR AND MISSISSIPPI R. R. CO.

9th.—A line from St. Paul, which is the head of navigation on the Mississippi river, to the head of Lake Superior in Minnesota, with authority to connect with a branch to Superior City, Wisconsin. The distance to the navigable waters of Lake Superior is 133 miles; to the head of Lake Superior, 150 miles. This line is controlled by the Lake Superior and Mississippi R, R. Co. It has been graded about 30 miles from St. Paul, and will be pushed to completion the entire distance within three years, or before 1870. This road has also a grant of seven sections to the mile of State lands in addition to those named.

NORTHERN PACIFIC R. R. CO.

10th.—A line (not yet located) crossing the entire State from east to west, north of the 45° north latitude.

All the roads named have been endowed by Congress with land grants of ten sections, or 6,400 acres per mile, with the exception of the Northern Pacific, which has a grant of 20 sections, or 12,800 acres per mile.

ST. PAUL AND PACIFIC R. R., WINONA BRANCH.

11th.—In addition to the lines named above, the State has granted to the St. Paul and Pacific R. R. Co., the right to build a road along the valley of the Mississippi river from St. Paul to the southern boundary of the State, and has endowed it with a valuable grant of State lands, amounting to 14 sections, or nearly 10 000 acres of land per mile. The line has been surveyed as far as Wirrona, a distance of 100 miles; ten miles of the grading has been completed, and the company are determined to build and equip the road with the least possible delay.

THE M'GREGOR AND WESTERN R. R.

Although not of our land grant roads, is one of much importance to a portion of our citizens. It is completed from McGregor out about 80 miles, and within 40 miles of Austin, Mower County, to which point it will be pushed rapidly as possible, there to connect with other roads.

SUMMARY.

It is impossible to overestimate the importance of this system of railroads to the present and future population of the State. The construction of the ellnes now in active progress gives employment to vast numbers of men, and gives assurance that every part of the State in the near future will enjoy the benefits of a cic ap and speedy transportation of passengers and products to and fro. And when completed, the system will give to the whole State every advantage, so far as markets are cencerned, which now belongs to the favored State of lilinois.

These lines, covering over 2,000 miles wholly within the limits of the State, are rapidly opening up some of the best lands in the world, by bringing them within easy reach of good markets. The different railroad companies are pursuing a liberal policy towards immigrants offering them inducements as to price of a whents, seeing that their own prosperity is identical with that of the State. St. Paul may be said to form the heart or centre of this net-work of the farteries of trade."

The great facility which Minnesota possesses of sending her produce to market is not the least of her many advantages. The richest lands and the finest

climate in the world are useless in a commercial point of view if not connected with the great trading emporium by wide and accessible channels of trade. The broad boson of the Missisppa sweeps our commerce to the Gulf of Mexico, and orange back the cotton of the South to be manufactured by our numberless water powers; our rallroads open another channel to the Atlantic coast; while by way of take navigation, via Lake Superior and the great Pacific Railroad, connecting as with both the Atlantic and Pacific, afford ample and unequalled commercial facilities.

Navigation on Lake Superior opens the last of April and closes about the 1st of December. In previous years propellers have left Buffalo as late as the 10th

of December, in 1861 as late as the 21st.

The carrenteer of Lake Superior, contrary to the general opinion, is much safer than that of the lower lakes. Its waters, being deeper, make easier seas, and it is navigable as many days in the year as any of them.

It has been predicted by thinking men who understand the subject, that when stead continuousless shall have been effected across the continent from the Paulie to the Atlantic, a change must take place in the courses of the commerce between the Lat and the West. When you can lay down in London and Hamburg cargoes of teal siks, &c, from China, within fifts to sixty days after their shipment from there, then the oblicourses of trade by the way of the Cape of Good Hope will have to be abandened—then the connected sceptre will depart from Encland and pass into our keeping. This all seems as sure as anything in the future can be,"—Report of the Buffalo Board of Trade, for 1866.

MANUFACTURING FACILITIES.

Extract from the Second Report of J. A. Wheelock, State Commissioner of Statistics:—

"Apart from social causes and the general influence of the stimulating and exacting climates of the North, in developing the forms of skilled industry, it is owing an effy to two physical circumstances that New-Lengland has attained her provide entering an unablactures, in spite of her deficiency in the useful emerals an if the raw material employed in the arts. These are, first, her abundant water power; and, occord, her favorable commercial position which has enabled her to obtain ready applies of raw material from abroad and to distribute the product through a wide range of dopendent markets. These circumstances alone among the purplead conditions of manufacturing power, have raised the little State of Machelius its, without internal resources of raw material, without coal or iron, to the list raink among American states in the manufacture especially of textile false.

And these purely physical conditions of industrial development exist in Minne of a linear agree after degree than in New-England, and in addition she possesses to a large extent essential elements of raw material of which New-England is destitute.

1. Mianesota possesses a more ample and effective water power than New-England. The rates and rapids of St. Anthony alone, with a total descent of 64 feet, adords an available hydraulic capacity, according to an experienced and comprisent columns, of 120,000 horse power. This is considerably greater than the whole mostive powers steam and waters employed in texture manufactures in Englandin 18.00, and nearly seven times as great as the water power so.

employed

That is to say, the available power created by this magnificent waterfall, is more than sull) and to make all the 25,000,000 sphalles and 4,000 mills of England and Section from the English Manichester and the American Lowell, at they could be transplanted here, would scare by pressure that a minerical hydraulic capabilities. But as compared with those great transferred expressions of St. Anthony possess one decisive advantage, which is the agreat that trailive of the functions of the State as a commercial and manufacturing a possess, the formation of the Massissippi ; and the same waters which ravise on the order ledges of timestone a strength almost sufficient to weave the garments of the

world, may gather the products of its mills almost at their very doors and distribute

them to every part of the great valley of the Mississippi.

"The St. Croix Falls, which are only second to St. Anthony Falls in hydraulic power, are similarly, though somewhat less advantageously situated at the head of navigation upon a tributary of the Mississippi. Except the Minnesota, nearly every tributary of the Mississippi, in its rapid and broken descent to the main stream, affords valuable mill sites. The Mississippi itself in its descent from its Itasca summit to Fort Suelling, in which it falls 836 feet, or over 16 inches per mile, is characterized by long steps of slack water, broken at long intervals by abrupt transitions in the character of the rocks which forms its bed, and forming a fine series of falls and rapids available for hydraulic works. Pokegoma Falls, Little Falls, Sauk Rapids, and St. Anthony Falls, are the chief of these. But the Elk, Rum, St. Croix, and numberless smaller streams on the east slope of the Mississispi, the Sauk, Crow, Vermillion, Cannon, Zumbro, Minneiska, Root, and their branches, nearly all the tributaries of the Minnesota, and a multitude of streams besides, in their abrupt descent over broken beds of limestone or sandstone, through long and winding valleys or raymes, with a fall of from three to eight feet per mile, afford an unlimited abundance of available water power to nearly every county in the State. This diffusion of hydraulic power throughout the whole State, is a feature whose value as an element of development, can scarcely be over estimated, as it gives to every neighborhood the means of manufacturing its own flour and lumber, and affords the basis of all those numerous local manufactures which enter into the industrial economy of every northern community.

"2. Passing to the second point of comparison with New-England, already incidentally touched upon, the commercial position of Minnesota upon the termini of the three great water lines of the continent, not only gives it an immensely wider capacity of interior trade, but a far easier access to the sources of supply of raw material. A region six times as large as all New-England, as yet undeveloped, but already starting on the swift career of Western growth, and capable of supporting many millions of population, is directly dependent upon Minnesota for all the manufactured commodities it may consume. Its position relative to these Northwestern valleys, invests its manufacturing capabilities with an importance greater than those of any other of the interior districts of the continent. For the future manufacture of cotton and woolen fabrics, it has decided advantages of position over New-England. The Mississippi river brings it into intimate relations with the sources of the cotton supply, and it lies in the mass

of the great wool zone of the continent."

The falls of the St. Louis river, at the point where the Lake Superior and Mississippi R. R. reaches the navagable waters of Lake Superior, said to furnish a manufacturing power equal to that of the falls of the Mississippi river at St.

Anthony, must not be omitted from the above list.

Minnesota is evidently destined to become one of the greatest manufacturing States in the world, and already manufactories are springing up everywhere. There were five hundred and eleven establishments in 1860, with an aggregate capital of two and a half millions, producing annually four and a half million dollars worth of manufactures. The present number of establishments is estimated at two thousand, with a capital of ten millions.

Minnesota has the further advantage of possessing the raw material for a large class of manufactures,—copper, iron, wool, lumber, salt springs, sand for

flint glass, &c., as already referred to, also coal and peat.

AGRICULTURAL CAPACITY—THE SOIL AND ITS PRODUCTS.

Not only are the manufacturing facilities of Minnesota equal to any in the world, but its agricultural capacities are unsurpassed by the finest agricultural districts of the old States. This combination of agriculture and manufacture is something very unusual; generally where one feature is present, the other is absent; but here, both features exist with all their advantages. Persons residing

in the Middle and Western States too often regard Minnesota as an inhospitable review too cold for agricultural pursuits. But such will learn with surveyse that less of the most productive districts in the world can compute with Minne-

Soils, "The prevailing soil of Manuesota is a dark, calcareous, sonly form containing a various at hard are of clay, abounting in marks and a set in organ there allely a rived from the accamulation of decomposed vegetable matter for blog ages of growth and decay. The sand of which silies is the base. form a large proportion of this, as of all good soils. It plays an emportant part In the connector of growth, and is an essential conditiont in the organism of all certails. About axty even per cent, of the ash of the stems of wheat corn, rye barley, outs and sugar cane, is pure silica, or flint. It is this which gives the shared coatling to the plants, and gives strength to the stake.

"The supercoady of still in giving a high temperature to the soil, is a great advantage in a counter in which the aimited period of vegetation requires the

highest measures of heat."

The process of soll, on account of its penetrability to a great distance, by the roots of pants, enables them to gather mutilment at a greater discance from the idea. It is pero is, and permits free respiration of the soft, -as amportant to the it is addition. Owner, to expensive attraction, it easily an alloes ministage from the area and retains it a long time, enabling it to support be obtained during droubles, that in less favored condities prove disastrous to mais. The same quality prevents It from its suching supersaturated with water during wet seconds. on account of the facility with which it drains.

There is any this further a bondage of samply soils, that the cond-are sate of and he could need and hope to order, a coare free from note and an all that

facilitation travel, harding, as , as well as to in labor generally,

"Another amportant bulger of the soil of Minnes et also that its earthy many rials are minutely polyerized, and the soil is everywhere light, nathow and spoints, existing a language in the condition reach data soils less favorably constituted, by expensive under dramage. With the soulf on characteristics, the soils of Minocota are of different grades of firtility, arrording to linear situations, or the character of the underlying rooks from which their elements have been duried. Distributed according to geological situations, the sails of the a moultural district of Minnesota may be div. red into hinestone soils, drift soils. clay soils, and trap soils."

Products of the Soil. - The following table above the staple agricultural pro-

duct of Managoria, and about the average ylein per acre : -

Crops.		Av.	No.	bush	els	per acre.	Crops.	Av.	No.	bushels	per acre.
Wheat,	40	-		-	0	22.05	Sweet potato	008, -	40		150.00
Rye, .		- 1		0		21.56	Beans, -				
Burley,	-			-	40	33.23	Hemp lint, (pound	8,) .]	1,140.00
Oats,	-	10	-			42.39	Flax lint,				
Bu lewher	at.			-	-	20,00	Sorghum, (g	allons	SVII	17+)	100.00
Corn,	-					35.67	Hay, (tous)				
Potatoes,		-			-00	208.00	,				

The above table is compiled from the census of 1860, and various other sour and gives only the average yield of the crops mentioned, and may be taken as a fair sample of the average for the State at large, one year with another. It is a the a shirelood, however, that on the prevailing soil of Minnesota, with ma sering and careful cultivation, the actual yield is often acarly done in the acove figures. Petable, for instance, set down at 20% on good soil, and ordinary cultivallet v. ously yield 300 but he's per uere; wheat 35, corn 40, and other crops in proportion. In 1865, from 100,000 acres of wheat in Minnesotta there was have let the engineers group of 10,000,000 bushels, being an average yield of 25 but a let of the agre. Nor was that year's crop considered any thing extraordinary for our soil.

Hereit a confidence stay'es of agriculture in Minnesots, and is comparatively exempt from the dangers to which it is exposed in other States,-drouth, rust. smut, insects &c. The average percentage of the tilled area of the State in wheat is over 53 per cent., nearly double that of Ohio, which is 33, or Illinois, which is 28, from the fact that in those States the uncertainty of the crop, from the above causes, renders it unsafe to venture so large a proportion of the crop upon so precarious a product. In Minnesota the whest crop is regarded as a sure and safe one, and rarely fails of a fine yield. The farmer sows with an assurance of reaping a good return, which he could feel in no other State, except perhaps Wisconsin and Northwestern Michigan, which belong to the same great wheat belt as Minnesota.

COMPARISON WITH OTHER STATES.

The wheat crop of Minnesota is not only more certain than that of Ohio, Illino's, Iowa, and other great wheat growing States, but the yield is greater than the best of them. The average wheat-yield of Minnesota has been put down at 22 bushels to the acre; in some counties, the yield was 25. The average wheat-yield of the rich prairies of Illinois, owing to uncertainty of the crop perhaps, was stated as not over 8 bushels per acre, by Abraham Lincoln, in an address before the Wisconsin State Fair of 1859. The average yield of Iowa is not over 12 bushels; that of Ohio and Pennsylvania will not exceed 10. The average yield of Iowa in 1859, was 4 bushels; that of Minnesota for the same year was 19. In 1850, the four States producing the largest average yield, were Massachusetts, Pennsylvania, Texas and Florida; this did not exceed 15 busnels, while the other States averaged only from 5 to 12. The largest known yield of other States, as compared with the average of Minnesota, is as follows:

				Year.	Bush. per acre.				Year.	Bush, per acre.
Minnesota,	coin .			1860	22	Michigan, -	-	lm	1848	19
Ohio	40	-	es	1850	17.3	Massachusetts			1849	16

In the face of these facts, we need have no hesitancy in pronouncing Minnesota the banner wheat State of the Union. Spring wheat is principally sown

but winter wheat does equally well, I believe.

Corn.—Many newspapers in States south of us have asserted that Minnesota is too cold for corn. But this is not so; though not so much of a staple product as wheat, corn grows well in Minnesota, and the yield compares favorably with that of the best corn States. When stock, especially hogs, are raised to a greater extent than at present in the State, the corn crop must eventually become an important one to our farmers. The average corn yield of Minnesota in 1859, a bad year, was 26 bushels; 1860, 35½; 1865, 43½; the average may be set down at 35 bushels per acre; that of Ohio, Illinois and Kentucky at 20; that of Iowa just south of us, 23. The average yield in 1859, was 26 bushels, 11 per cent. higher than that of Iowa for the same year.

"The following table will show how the corn yield of Minnesota in 1860 compares with that of other Northwestern and Middle States in the Census re-

cord of 1850:

					A	ver	age	yield per acre.		A	vera	ge y	yield	l pe	er acre.
Minnesota	λ,	-		-		-		35.67	Michigan,		-		-		32
Ohio, -	- 40		-		-		mo	36	Wisconsin,			-		-	35
Indiana,				-		-		33	Pennsylvania,		-		-		20
Illinois,	-				-		-	33	New York,			-		0=	27
Towa.	_	40		-		-		32							

"These statistics established beyond a cavil the fact, that while Minnesota is far ahead of any of these States in its capacity for wheat production, it is inferior to none of them as a corn State."—2d Rep. Com. of Statistics.

"This," adds the Report, "strikingly confirms the law already noticed, that the cultivated plants yield their greatest products near the northernmost limits of

their respective growth."

Oats—The superiority of our climate and soil in the production of the cereals is nowhere more strikingly manifested than in the inferior classes of these grains." In 1859, the average yield of this crop was 33 bushels to the acre;

in 1870 it was 42; in 1855, the yield was 514 bushels. I have no mane of a common three earlies with the yield of other States but doubt not but that the

comparison would be a favorable as that of wheat and corn.

If the tey and Hardward I are to observe and proved a very significant in the Manager of the value of the value of the value of the very significant in the provided and the value of value

				150.	1860.	1962.	1965.
Rye, -	- 1		4	19.4	21.56	21.00	
Barley, -		-		29.1	33.23	25.6 1.3	37.50
Buckwheat,		-	-	6.5	15.73	26 ()0	

1 or a must be rear the rel. was a post crop year, and the sell yit'd of home at increase the swing to the fact that it is greately sown or refuse

land fit for nothing else.

Parameter To appoint flavor and the risk faring on a partity of the state of Minner on the solitant of the procession only rear the solitant buffer of their rearch. In the north, the point of the procession only rear the solitant buffer of their rearch. In the north, the point of the procession only rear the solitant buffer of their transmitted by the point with both transmitted by the Parry Garding to put and the real transmitted by the process of the form of the form the real transmitted by the process of the both transmitted by the process of the both transmitted by the process of the form the state of the different below as and a mediant form the state of the Mississipping Valley, a is in listed by increasing exports."—J. A. Wheelook.

The parameter of the state of the Mississ of from the set which often

The product of the first of the fall of 18th, a Lage proportion the portion to the Tank and tastern earliers were rolled health, it is Minnesotta for the tastern warkers were rolled health, it is Minnesotta for the control of the c

the line.

Storage.—But little attention has been paid to this crop in Minarcha. It is content among at the warm a consider, but planted early, except the odd, it was man and produce expail to any planted to the codd. The average yealt from we study that utrus, has been at at down 72% with a little average yealt from the product of 200 and even 300 at the few points of 200 and even 300 at the few points of 200 and even 300 at the few points of 200 and even 300 at the few points of 200 and even 300 at the few points of 200 and even 300 at the few points of 200 and at the content of 200 and at the content of 200 and at the content of 200 at th

Maple Sector. The agent maple is found plentifully in the sight religion of the state. A product of a collection of couple ones, was counted in a collection.

Thurse, in 180 : 48 Li7 pounds of tolic to, averaging 1,140 pounds per

acre, were raised in the State.

The function and cover flouresh in Minnesota; in fact, white court relating and a specific cover any pattern man. The court grass came but little collinated on the account; the formulat courts of the rative grasses, which cover the "bounds of the latit grasses, which cover the "bounds of the latit formulation of the latit formulation of the latit grasses which cover the "bounds of the latit grasses when every where intersect the country" and which "are as from and

nutricious in this latitude as the best exotic varieties," render cultivation unnecessary. The average yield of these grasses is 2.12 tons per acre, 60 per cent. greater than that of the great hay State of Ohio, which, according to the Com.

of Statistics of that State, is 11 tous per acre.

The lint plants, Flax, Hemp, &c., as they come to perfection only in a cool climate, do extremely well in Minnesota. Their bark, in southern climates, is harsh and brittle, because the plant is forced into maturity so rapidly that the lint does not acquire either consistency or tenacity. Minnesota is equal for flax and hemp growth to Northern Europe. The yield of hemp lint in 1862, was 1,140 pounds per acre; flax lint, 750 pounds per acre.

Onions, Turnips, Parsnips, Carrots, Beets, and nearly all bulbous plants, do

equally as well as the notatoe.

Sueet Potatoes.—Our loamy, warm sandy soil is just the thing for it, but our seasons are rather short; planted early however, it yields a good crop. The average yield of sweet potatoes in 1862, was 150 bushels per acre.

Turning, Rutabagoes, and Beets often attain a great size,

The Salad Plants.—Cabbages, lettuces, endive, celery, spinach—plants whose leaves only are eaten—are not only more tender here than in warm climates, where the relaxing sua lays open their very bads, and renders their leaves thin and tough, but are more nutricious, because their growth is slow and their juices well digested.

Melons, although they come in rather late, instead of throwing too much of their growth into the vine, as they do south, attain a large size, and a rich saccharine and aromatic flavor. This is especially true of the Cantelope melon, which in warmer crimates has its sides baked or rots before it is fally matured.

Pumpkins, Squash. &c., on the same principle, fully mature, and grow very fine and large. The Hubbard variety requires early planting, say first of May.

Beans, Peas. &c., of every variety, are fine and prolific. Rhubarb, or Pie

Plant, flourishes without cultivation.

Perhaps in no State in the Union does the soil so surely and amply reward labor, or yield larger products for the amount of labor bestowed on it. It is easily cleared of weeds, and once clean, its warm forcing nature enables the crop to speedily outstrip all noxious growths. Two good thorough workings usually insures a good growth of almost any cultivated crop.

FRUITS.

Apples, &c.-An impression seems to prevail abroad that we cannot raise fruit in Minnesota,-"an extraordinary inference," says Wheelock, "when we consider that many forms of wild fruit are indigenous to the country." Our climate is evidently not so well adapted to fruit-raising as that of some other states south of us. Still, sufficient of most kinds may be raised to supply the home demand. It has been demonstrated that many varieties of apples do well here, and there are now several bearing orchards in the vicinity of Minneapolis, Winona, St. Paul, Red Wing, Owatona, Rochester, Mankato, and other portions of the State. The specimens of Minnesota apples at the State fair of 1866, were equal in size and flavor to the same varieties elsewhere produced. It is not the severity of the winter that kills the tree, but the alternate thawing and freezing of the south side of the tree in the spring, which is avoided by mulching, and protecting the stem of the tree when young, by a wrapping of straw. The State being new, time sufficient for planting and acclimating orchards, has not elapsed; but there is no longer any doubt of our ability to raise fine apple orchards. Dwarf cherry and peach trees, which are easily protected in winter, do well, but the larger varieties are too tender. However, cherries may yet succeed, as the wild variety is a native of the soil. Apples grow well in Wisconsin, right along side of us; in Canada and New-England, north of us. The inference is clear that by procuring our trees north of us, (not south, as has heretofore been the practice) or planting the seeds and thus acclimating them, or by grafting on to the stock of the siberian crab, which is remarkably healthy and hardy, and flourishes here through the coldest winters without protection, we may raise all the

apples we wish. There are several flourishing nurseries near Winona, Red

Wing, St. Paul, Minneapolis, and other portions of the State.

Crab Apples — The wild crab apple tree is induced as to the soil, improves much by cultivation, and families an excellent store, for grafting, out inferior to the Schernan Crab, which is equally hardy, and families an excellent apple for preserver. Some varieties approach a been egg in size, and are quite paratable.

Structures, -Rvery variety of this excellent fruit does well here, attaining a size and thever assurpassed. Wild ones ful the woods and promise every year.

Graper—The different vericules access were here, and several vare test of the wild grape vine grow laxurianty all over the State. The cultivated varieties, while point, require to be an adomn in the fall, and protected by a light covering of traw. The nature of our climate and so I would so in to designate Minne of as a great grape growing state. The junes of the grape, says Dr. Forey, are test matered for whe near the northern limit of their growth. On the Rhine, in Hungary, the sides of the Alps, and other clevated or northern saturations the one is strongest, in hest, and most estemed. The grapes of France are more demonstrate for the table than those of spain or Madeira, south of it. The excess of heat and most are in the States south are east of us blights the grape to say he as extent that its culture in side in about oned. The vine, heavever, whether wild or cultivated, grow there bixariantly. The vineus ermonaution, as well as the pressing as of tending of the julice, can also be best conducted in a climate comparatively cool.

Gonzeberries, Currents, and Raspberries are cultivated extensively throughout the State, many as class flavor, size. I productly wass. They also grow with a common with blueborries, whortleberries, and both marsh and upright

cranberries.

What powers, of a great many different varieties, some of them very large and fine, approximating the peach for done storpurposes, abound in the neighborhood or storams, lases, and moist localities. They improve so much by being transplanted and cultivated as to equal any of the tame varieties. Wild cherries

are also plenty.

From most list it is apparent that Minnesotians are not likely to suffer for the want of fruit. And it may be remarked of a 1 fruits cenerally grown in Minnesota, that, owing to the principle at recording the Princy, they attain a perfection to a monty at the northernness timit of the rigrowin. The pulp is delecate, sacranting accounty of fruit grown arther south. The rygers of the atmosphere, as well as the innerest perfection of the fruit, enables as to preserve it for a much longer time than can be done in warmer localities. Apples keep much better than in St. Louis or Cincinnati.

MINNESOTA AS A BEE COUNTRY.

This industrious insect thrives better in Minnesota than in regions south of us. Here require a clear, dry after sphere, and a rith harvest of flowers. If the air is damp, or the weather coudy, they will not work so well. Another reason why they work less as a warm climate, is but the honey gothered remains too floud for sea, are a longer three is not if guildered faster than it thickers, it sours and spolls. Our clear bit skies, dry air, and red thora, are well adapted to bee sulture, and since the process of burying bees during the tenter has been introduced by Bidwell Brothers, and adopted by the best apparents, the length and colders so four winters cease to be an obstacle. In fact, experience proves that bees so read better here, consume less hone during winter, and the colony comes out stronger in the spring than an warmer localities. Bidwell Brothers' aparty, near stiffant contains four manaired colonies or hives. The anomal surplus product of bees here averages from \$10 to \$70 per hive. Every Momesona farmer, with a fittle care, can raise sufficient honey for his own wants, and have a surplus for market.

THE GROWING SEASON IN MINNESOTA.

In Minnesota during the growing season, we find all those conditions most favorable to agriculture present in a marked degree. Its mean spring temperature is 45.6 degrees, which is the same as that of Central Wisconsin, Northern Illinois, Northern Ohio, Central and Southern Pennsylvania and New Jersey. 23 degrees south of it. Its summer temperature is 70.6 degrees, corresponding with that of Middle Illinois and Ohio, Southern Pennsylvania, Long Island and New Jersey, 5 degrees south of it.

The season of vegetation in Minnesota, in common with that of the upper belt of the temperate zone, is embraced between the first of April and the first of October. Some idea of the average temperature of this period may be obtained, by comparing it with the same period in other localities, whose agricultural capa-

cities are well known:

			April.	May.	June.	July.	August.	Sept.
St. Paul, Minn.	-	-	46.3	59.0	68.4	73.4	70.1	58.9
Marietta, O., -			52.3	61.4	69.6	73.5	70.7	63.6
Chicago, Ill.,	-	-	46.0	56.3	62.7	70.7	68.5	60.1
Boston, Mass.,	-		45.57	57.04	65.57	71.08	69.10	62.78

It will be observed that the temperature of the growing months in the above places is so nearly the same, that the difference can be searcely appreciable.*
"The April of Minnesota is still the April of England, but her May corresponds

in temperature with the English June."

The spring temperature of Ohio, it will be noticed, is greater than that of Minnesota, while its summer temperature is less. The coolness of the Minnesota spring, and the rapid increase in temperature as summer approaches, is claimed as a great a lyantage, and on this fact the prefection of its grains and other agricultural produces in a great measure depends. The fact anounced by Dr. Forrey, "that the cultivated plants yield the greatest products near the northermost. Iimits at which they will grow," is explained on the principle that the cool spring restrains the growth of the trunk and foliage of the plant, and throws the full development into the ripening period. "The very warm southern spring develops the juices of the plant too rapidly. They run into the stalk, blade, and leaf, to the neglect of the seed, and dry away before the fructification becomes commplete. Our cooler springs reverse this process, restrain the undue luxuriance of the stem and leaf, and concentrate the juices in the development of the fruit and seed."

The cereals all attain their most perfect development in northern climates. Potatoes and other cultivated roots follow the same law. The perfection and strength of the grasses in cool and northern regions, and their power of keeping horses and cattle fat without grain, is proverbial. Although the grasses attain sufficient size south, they are forced to a rapid fructification before they have time to elaborate their juices, and consequently contain but a small proportion of nutriment. These facts depend upon the same general law. At the same time, the products of grain flour, &c., are manufactured to better advantage in a cold climate, as they are preserved from sourcess, mustiness, &c., a longer time.

Period of Exemption from Frost.—The period of total exemption from frost in Minnesota, varies from four to five and a half months, which allows ample time for the perfection of all the annual crops, 'The frost is general-

* "It is not a little amousting, upon this showing, to read in the official report of the Illinois Central Company, and in the Chicago Democrat, that "every spring brings down the frost-bitten and chilled inhabitants of Minnesota, to the mild and genial clime of Illinois."—report of Commissioner of

†See an article on the "Acclimating Principle of Plants," in the American Journal of Geology, by Dr. Forry.

^{*&}quot;Minnesota, from its high northern position, has always had to maintain a certain struggle for a just appreciation against the ignorant preconceptions of the majority of people of our days, who were educated in the notion that latitude governs elimate. It is difficult to make the New Hampshire former comprehend that St. Authory Falls, in the latitude of Hamover, has the summer chinato of Philadelphia—on that wheat, which will scarcely grow in northern New Ingland, three so the 6-th parallel, a thousand miles north of St. Paul. One of the most curious consequences of this abrupt northern deflection of the isothermal lines around the head of the great lines insins, is that St. Paul, in latitude by, is very considerably warmer during the whole six mouths of the growing casen, than Chicago, in latitude 42.

*"It is not a little amonging, moon this showing to read in the efficial propert of the Hilmus Central

ly entirely out of the ground, which is then ready for planting, the last of April and first of May. The first all of front takes place with great regularity about the middle of September, though some three delayed till the middle of October. Minne this not expected to late and early front more than the Modes at Western States. The pearly adoptes of the air should not be reist link from which is other headlites would prove disastous. This fact is exemplified by the frost of June 4th, 1859, which was general nearly adopter the United States. It Ohio, Indiana, and Illic is, it was universally destructive; ice found on third hash thick in Ohio; but it. Minne out no dame, what ver was the to find trops. On account of this daynes, the temperature may fall one derivally below the freezing point at times, without producing the st. The dryness of the atmosphere, notwith standing the abundance of the summer rains, is also very important on account of the protection it unvess wheat and outs from runt and, and in cets, which often servously injure the wheat fields of moister climates.

Advantageous Distribution of Rain. The mean annual fall of rain in Minneseto as at down in Blodget's livetal closity, is twenty-five indies. It is a remarkable fact that the greater part of this moisture is deposited during the fax greater months, when it is next needed, into all of bodge was of in delaging the land and making winter a greeable, as at New Lighted and the Western of Mikhi estates. The following, from the report of the Council above of Statistics, shows the contrast between Minnesota and the above States, in this respect:

	Minn.	Ills.	Pa.	Mass.
The six warm and growing months, -	19.55	26.30	20.94	23.15
The six cold and non producing months,	5.88	15.50	21.40	23.81
The three summer months,	11.00	13.20	11.93	10.71
The three winter months,	1.92	7.10	10.76	11.85

"Now, all the points here brought into comparison have a greater rain fall in the whole growing season than Minnesota; but the animer full is nearly the same, their superdison spring and actures rains, which are not so sarp and even injurious to vegetation, making up the difference in the whole quantity for the warm months."

The execute autumnal rains in the above states are often very destructive to harve its. I have not amounts of wheat and corn were thin destroyed in Hilmois in 1862. "The Minner of furner reaps as he sows, in the full confidence that no untimely tempest will defraud him of the finite of his labors. In these wet climates, on the recking summer air, agriculture is a perpetual vigil against concealed enemies."

CHEAPNESS OF OPENING FARMS.

It is a fact worthy of note that in all places whose growth is unsubstantial, the price of land is dispreportionately ough, while its products are low. But in Minnesota, real state is low, land is extremely clear, cowing to the large surplus yet uncorrupted by while its products command the first prices. Wheat, outs, come pointoes, and in fact all that the surner raises, find a ready market for cash at home. A emious illustration of the practical working of this principle is that he is purchased at ten chilars per acre are paid for out of the proceeds of the first crop. Take this instance: A gentieran having a farm for sale, offered it, with improvements, for \$9 per acre. Tailing to all, he is used it, rice it gives the sale of the land. Many such instances could be given. To similar trates what long alms may be secured where land are clear and the products of the soil high. A communication in the St. Paul Press, ays: "It is our duty to let people read and learn of Minnesota, where a non-cua buy land, break and force it, and pay for the land, breaking, fencing and all expenses, out of the first crop. I"

A man with a small, but high priced farm in the old States can dispose of it for sufficient to set himself up well in Minnesota, and procure a farm for each of his chadren loss des; and these farms in a few years will be as valuable as the

one in the old State is now.

THE CLIMATE OF MINNESOTA.

UNPARALLELED HEALTHFULNESS—EXEMPTION FROM PULMONARY AND MALARIOUS
DISEASES—CAUSES OF ITS SALUBRITY—DRYNESS AND PURITY OF THE AIR—
TEMPERATURE AS COMPARED WITH OTHER STATES—AS A RESORT FOR INVALIDS,
40.4C.

BY A PHYSICIAN.

The assertion that the climate of Minnesota is one of the healthiest in the world, may be broadly and confidently made. It is sustained by the almost unanimous testimony of the thousands of invalids who have sought its pure and bracing air, and recovered from consumption and other diseases after they had been given up as hopeless by their home physicians; it is sustained by the experience of its inhabitants for twenty years; and it is sustained by the published statistics of mortality in the different States. The eminent Dr. Horace Bushnell, of Hartford, Conn., after spending a year in Cuba and another in California, without any permanent benefit, spent a year in Minnesota, and recovered. After returning East and submitting to a rigid examination, his physicians said : "You have had a difficulty in the right lung, but it is healed." In a published letter he says : - "I have known of very remarkable cases of recovery there which had seemed to be hopeless. One, of a gentleman who was carried ashore on a litter. and became a hearty, robust man. Another who told me he had even coughed up bits of his lung of the size of a wahnut, was then, seven or eight months after, a perfectly sound-looking, well-set man, with no cough at all. I fell in with somebody every few days who had come there and been restored; and with multitudes of others whose disease has been arrested, so as to allow the prosecution of business, and whose lease of life, as they had no doubt, was much lengthened by their migration to that region of the country."

Many of our most prominent business men, whom no one would now take for invalids, belong to the above class. Almost any one who has resided here for any length of time can refer to numbers, now enjoying ordinary health, who on first coming here were considered hopelessly gone with consumption, or other chronic disease. It is believed consumption is never generated here, which is a strong proof that the climate is a favorable one for those afflicted with the disease.

Minnesota is entirely exempt from malaria, and consequently the numerous diseases known to arise from it, such as chills and fever, autumnal fevers, ague cake or cularged spleen, enlargement of the liver, &c., dropsy, diseases of the kidneys, affections of the eye, and various billious diseases, and derangements of the stomach and bowels, although sometimes arising from other causes, are often due wholly to malarious agency, and are only temporarily relieved by medicine, because the patient is constantly exposed to the malarious inflaence which generates them. Enlargement of the liver and spleen is very common in Southern and Southwestern States. We are not only free from those ailments, but by coming to Minnesota, often without any medical treatment at all, patients speedily recover from this class of diseases; the miasmatic poison being soon eliminated from the system, and not being exposed to its farther inception, the functions of health are gradually resumed.

Diarrhea and dysentery are not so prevalent as in warmer latitudes, and are of a milder type. Pneumonia and typhoid fever are very seldom met with, and

then merely as sporadic cases.

Diseases of an epidemic character never have been known to prevail here. "Even that dreadful scourge, diptheria, which like a destroying angel, swept through portions of the country, leaving desolation in its train, passed us by with scarce a grave to mark its course. The diseases common to infancy and

childhood, partake of the same mild character, and seldom prove fatal." This is the samption of Mrs. Colburn, an author ss, and the experience of physicians

corroborates this opinion.

That dreadly, courge of the human family, the cholera, is alike unknown here. During the animer of 1866, while hundreds were daily cut down by this victious in New York, Chromana, St. Louis, and other places, and it prevailed to an alare-thy extent in Chinago,—not a sugge case made its appearance in Minnesota.

Another, and a very large class of invalids, which derive great benefit from the country of Mirrosota, are those whose systems have become relaxed, debilitated, and color down, by over-taxation of the mental and physical energies,

dyspensia, &c.

And the emets establishing as they do the remarkable salubrity of our climate, are home cut by in list es. The following table is copied from the Unite 18tates chars of 1860. The percentage column exhibits the number of deaths in early 100 persons; the last column shows the number, in each State, out of which one person has died:

	Population.	D-aths	Percent age.	Ope for		Popula- tion.	Deaths.	Herce pt.	One for
Alabama,	964,201.	19,760	1.89	751	Missouri, -	1,162,012	17,557	1 45	67
Arkansas.	4.00	5.500		49	New Hampshire,	1000 U.S.			72
California, .	37 - 1	8.700	.97	102	New Jersey, -	67. 35	7,525	1 11	59
Connecticut,	4 1 47	0.103	1.88	741	New York	3,,10		1.20	7.5
Delaware, -	110,916	5,748	1.11	90	North Carolina,	294,620	1., 07	1.27	78
Florida, -	144,425	1,769	1 25	79	Ohio, -	2,3 19,511	24,724	1 (15	94
Georgia,	1,057,286	12,507	1 21	82	Oregon,	52,465	251	47	200
Illinois, -	1,711,951	19,263	1.12	88	Pennsylvania, -	2,5000,105	81,214	1.08	96
Iowa, · ·	674,918,			98	Rhode Island,	174 (2)	2.479	8.41	70
Indiana.	1/1 4	15.000	1.12	88	South Carolina,	708,708	9.7.60	1.185	72
Kansas,	107,806			74	Tennessee, -	1,100 80		1 86	7.3
Is ay,	I the latest	10.4		70	Texas	elest = 15	9,369	1 55	
Louisiana, .	705,002	12,829		57	Vermont,	110,008			913
Management	400,000	7,614	40.00	40	Virginity, -	1,596,318	22,474	1 40	71
Maryland, -	687,049	7,370	11.	9	Witerasin, -	77 0,500	7,129		103
Massachusetts,	1,281,068.	21,804		57'	Dist. of Columbia,	10/81		1.69	58
Municipal	724,114	7,000	98	101	Nebraska, -	25 -11		1 02	75
Minnesota, -	100,000	0,000	6-6	155	New Mexico,	95,516		1 89	71
Mississippi, -	101, -5	10,114	1.54	64	Utah,	46,213	3114	.92	107

It wall be observed that Minn softa has the smallest mertality of any State in the Union, except Orages. Orages, though a very healthy clinic, is not a resort for invalid. Lying on the Parille coast, as climate, like that of New England, is too health a streat invalids. On the contrary, Minnesota is a great resort for communicative invalids, and those Jahorng under various chronic discusses. Of course we are too late, and die here—probably living a year or so langue these to your late home. The we is our mortality list, and taking it can, Minnesota would need a higher place than even Oregon.

CAUSES OF THE HEALTHFULNESS OF MINNESOTA.

However, upter sting it in the to go into a scientific exposition of the case as the ories of the exemption of Minnesota from many of the diseases which a smally arry off the same in the older. States of America and Farepe, spine will be permit, and I must confine myself to such facts as are already es-

tablished beyond cavil or dispute.

There af Maluria.—A large proportion of the discuss which afflict manlated they their origin in the pulsanous and unhealthy enhantions which arise from the solution. The community is to be dy a salidy principle termed maluria, which is constantly its 2 like an emper epithic gas, poissoning the air and generating discussions and fever, different blads of fever, pice monia, diarrhoa, dysentery, debill(y, billousness, discusses of the liver, spheen, kidneys, &c. The low temperature of our winters, continuing as they do for four months, effectually destroys any malaria that might lurk in the soil, ready to spring forth in warm weather.

We are thus entirely free from malaria, and the fact is well established that chills and fever, and diseases generally, of a malarious origin, are entirely unknown in Minnesota, and those who come here suffering these ailments speedily recover.

Perturbation of the Air.—The atmosphere, like large bodies of water, requires perturbation to preserve its purity; otherwise it becomes heavy and stageant, loaded with impurities and unhealthy, depressing the spirits by its monotony, and inducing a torpid condition of the whole system. The waters of the ocean, and of large lakes, are kept pure by the agitation of the winds and tides. All healthy countries are windy, but all windy countries are not healthy. Winds blowing for many days in succession from one quarter, become pregnant with moisture and other impurities. The winds in Minnesota are not persistent and severe, but constitute rather a lively agitation of the air, which constantly changes it, carrying off noxious vapors and effluvia, conducing to its clearness and purity, and imparting to it those qualities which give tone to the system and invigorate the nutritive fructions.

The prevailing direction of our winds is from the south, according to observations, extending over twelve years, recorded in the U. S. Army meteorological register "This fact," says Mr. Wheelock, "goes far toward accounting for the exceptional warmth of the spring and summer months in Minnesota, and serves to show that the direction of currents of air exerts an influence only less than the position in latitude in forming the measure of heat and cold." Our winds, instead of passing over the ocean, laden, like those dreaded "east winds" of New England and the Atlantic coast generally, with saline moisture, come to us only after traversing half a continent of land, pure and invigorating.

A comparison of the mean force of the wind for ten years, at different places, gives the following result: Fort Snelling, Minnesota, 1.87; New London, Connecticut, 2.67; New York city, 2.96; Eastport, Maine, 2.63; Portsmouth, N. 11., 2.50; Pittsburg, Pennsylvania, 2.20; Detroit, Michigan, 2.26; Fort Atkinson, lowa, 2.48; Fort Leavenworth, wansas, 2.09. We thus perceive that the mean force of the wind in Minnesota is less than at either of the other places, representing, as they do, all sections of the Union except the South, and confirms the statement previously made, that our winds are lively agitations of the air, rather than strong, continuous currents. As a consequence, the snows drift less than in the East, and usually lie without material disturbance.

The following table, from the report of the Commissioner of Statistics, gives a synopsis of the climate of Minnesota for the whole year, from which it will be seen that a more perfect harmony between the three great fundamental conditions of climate than is here displayed, could be found no where on earth:

Dryness of the Air.—Another great cause of the salubrity of our climate is the marked dryness of the air. Moisture is a powerfull agent in generating disease. It is the main vehicle of malaria and other atmospheric poisons. They cling to it, or it holds them in solution. It is through the watery vapor of the atmosphere that most morbific agents reach the human body. While an atmosphere which is too dry, like that of arid plains and sandy deserts, is unhealthy, engendering over-action, fever, and debility, that which contains an excess of moisture is still more so. A humid climate rapidly abstracts the natural warmth of the body, and lowers the vitality of the system, producing feeble action and poor nutrition as a consequence, thus rendering the system open to attacks of inflammations, colds, coughs and consumption, as well as neuralgic and rhuematic

at the second of the second of

The same or Miss was Compared with other States Errors reportcan mile We less Secret of the Salaberty of our Character. The donner inon that the fight that he would go the conser has the say error ones one. I - role is questioned to make the planer. The configuration of the earth is such, that along to most their years, yest small place lay inland booties of water, A , the bulb with or but here are after tel severe degrees north or south. thin you was a the Wal miles age of the sore to be intro. Thus places the sea little and the control of the control of National Action ser annille to fully include a govern the lattice of Port II on a winder Let X, early off a figure outly of it. Minn ster owner to the here in exeast and then Manuface your order, exact a ling room into de 35 to intitude 4. It of it color a mean spring toger dum of the surmer than Chicago 24 million a million all Committeen Michigas, Contra Xiw York, and Massa- What is not reserved in Language Control New York, Control Wisconsin, North out? I selva make I North on Ohio, Louisia we would of as parameters increased 1 Joseph to Xe y Hampshire, Central W. combinand Central Michun ! muth or c ; a waster mean of 16 , malke to Northern Wisconsin, Notice of National Action of the same line of light is but neares the occasing while its climate, for the codire year, being a mean to the Central Wilminson, New Harry libre, and Central New Y We thus have an annual range of temperature from the summer of Southern Ohio to the winter of Montreal.

It is to be a vive a train of climate, Mr. J. Disturne? in a paper read to 0. the Aurya. Gongraph of and Sufficient Scriety of New York, says:

The proof the fact can only be accounted for on the presamption that Minter a vive it favorable climater. I hence as a gards health and growth of

regetation, from secret laws of nature, yet to be discovered."

if the third over the intend law is easily drawn soids. The luxuried or the first section in a second of the secon

ful land, charming seasons, lovely and magnificent scenery.

That is dryon of our are as a section of the pulls. Where is, burrers, As all that idea from those of our terms of the transfer of the transfe

Errors respecting our Winters.—No region which at present engages the public mind, as a field for settlement, has been so grossly misrepresented, in regard to peculiarities of climate, as Minnesota. Fabulous accounts of its arctic temperature, piercing winds, and accompanying snows of enormous depth, embelish the columns of the eastern press.—Neill's History of Minnesota.

We have seen that such impressions are erroneous—that our climate compares favorably in all respects with that of many other densely populated States. Disinterested authorities, that cannot be questioned, have set this matter at rest long since, and it only remains to enlighten the public respecting the truth. However repugnant to popular prejudice it may seem, our winter fall of snow and rain is only one fifth that of New York and New England; the average deposit of moisture in those places for the winter being ten inches—that of Minnesota two inches.—See Blodget's Climatology, &c. page 342.

The great bulk of our water falls during the six growing months, in the form of refreshing showers, which cool the air and encourage vegetation, leaving our winters dry, crisp, and bracing—much easier to endure than the same amount of

cold in a damp climate.

MINNESOTA AS A RESORT FOR INVALIDS.

Ever since consumption has been known, a change of climate has been recommended by physicians as a means of arresting a disease which medicine cannot cure. Until within the past few years, it has been customary to send consumptives to southern latitudes. But medical opinion, influenced no doubt, by the poor success attending this plan, has undergone a change, and as usual, gone from one extreme to another. Climates of a mild, equable temparature are no longer sought; patients are now sent almost invariably to dry, cool, northern

climates, where the air is subject to considerable perturbation.

There are many places which are, or have once been celebrated resorts for consumptive invalids—Maderia, Ventnor, Torquay, Cuba, Florida, Algiers, Upper Egypt, &c. Many of these are now known to be positively injurious to this class of patients, and have been abandoned. Among them all, there are very few, even if harmless, that possesses any advantage. So unsatisfactory has been the result of change of climate that many eminent physicians no longer advise their patients to try it, beliving that they stand about as good a chance to recover at home. The fact that the disease is quite common in all of these places of refuge, leads us to the conclusion that the benefit derived from them in such cases, if any, is due to the mere change of climate rather than to any special influence arising from the localities themselves.* The sapposition that a warm climate, or even a cold one possessing an equable temperature, free from sudden changes, is required by consumptives, is evidently an erroneous one. Dr. Lawson, the author of one of the ablest works on this disease which has ever been published in any language, says: "In order to promote health, the atmosphere should be subject to some degree of perturbation, and even rapid changes, provided those variatious are not great or extreme. The steppe of Kirghis, where consumption is almost unknown, is remarkable for its rapid changes, and even severe winds." Again: "In these early stages of phthisis, patients are already beginning to feel the depressing effects of disease, and therefore, require all those influences, hygienic and medicinal, which impart tone to the system, and thereby invigorate the nutritive functions. It cannot be presumed, however, that a mild and equable atmosphere will produce this result; on the centary, the very monotony of the atmosphere must lead to depression, and thereby increase the debility." Of warm climates, he says: "A very warm, stagnant and moist atmosphere, with but little elevation, would manifestly prove injurious, and there is sufficient ground to justify the conclusion that where the disease is far adva ced, tropical regions are unfavorable." "We have abundant testimony to prove that when the disease has become established, and the system debilitated, but

^{*} A Practical Treatise on Phthisis Pulmonalis," by L. M. Lawson, Cincinnati, 1861'

little good can be derived from warm regions, while, on the contrary, great injury well often result." M. Rochard, another medical writer, refers to the fact that "tuberculoss, marches with greater rapellty in the torrid zone than in

Europe.'

I have searched through a vast amount of medical authority, and digested numerous takes of statistics. The conclusion I arrive at is, that the only class of communities be efficted at all by warm, equable regions, are those in the very indicated takes; that the benefit in such cases is due more to the change than anything the case by a dry, cool, elastic atmosphere, such as we have in Minnesota, and in parts of New Mexico and California.

Dr. Chas. A. Leas, United States sound at Madeira, who has resided in Russia. Sweden Central America and Madeira, in the service of the government, under date of September 10th, 1866, whites: "I have made the subject of climate, as a conditive agent in consemption, a special study, and in connection with my annual report to the State Department at Wash 1210n just now sent on—I have activated somewhat into detail upon that subject, and large endeavored to show, from observation, that consumption in its earlier stages, is best relieved by a visit to, and residence of greater or sessexion in, high northern latitudes, instead of warm observations, as as the usual custom. I have further suggested Minstead of warm observations, as as the usual custom. I have further suggested Minstead of warm observations, as as the usual custom.

nesota as one of the linest climates for that purpose.

In the popul above alluded to, Dr. Leas accounts for the superior advantages of a high dry contratinge, in the realar diseases, on the theory that the lungs, in he ath, are only aithmently suparious to salmit air enough to parify, through its oxygon, the whose of the blood; in proportion as the air thus breathed is contain nated, or mixed with moisture and other impurities, so will the amount of ayy see admitted but the lungs at any time be diminished in quantity, and to the same extent a portion of the vital fluid unoxy onized," giving rise to a dimarshed vitality, and the laying the groundwork nior the development of consumption under cause tavorable to such a result." The atmosphere in high northern latitudes is much purer than that of warm countries, on account of the production of its excess of mot ture by the cold, "thus giving a larger amount of oxygen, which is the great vivilging element in a given amount of air, and thus again enabling the large to more thoroughly purify the entire volume of blood. And more particularly are the lungs thus aided when a portion of their substance - thrown out of a non-from the actual deposition of tubercular matter. Besides all that, the frequence of such a large amount of pure atmosphere to the corollating find has a doc dedly tonic and invigorating effect upon that element, and through it the whole system. for such an atmosphere as is here indicated. I would suggest to invalids affected with pulmonary disease, that they are most likely to find it in Minnesota."

The fact is worthy of note, that this communication comes from Madeira, an island which has been termed "the city of refage" for consumptives. But the testimony of Dr. Mason, and the statistics of Pr. Renton, prove that it is only these in the very incipent stages that have been benefitted there. Of forty-seven confirmed consumptives who landed there, not one lived six months! And yet Madeira has the most equable climate in the world,—the temperature never varying over eleven degrees the year around,-never higher than 74 degrees, nor lower than 63 degrees. With a warm, basilite soil, protection from wind, personnal summer, and tropical bixuriance, it would seem to be the consumptive's paradise; but such is not the case. The reason is simply that the air is too staguant and wants life and perturbation; and the air is too morst, experance proving that consumptives require an air sufficiently moist to prevent irritation of the air passages, but at the same time dry, elastic, pure, and invigorating. A little wind, therefore, does no narm, while the experience of ages has at anoth established the fact, beyond peradventure, that those countries most favorable to consumptives, as the steppe of Kirghis. New Mexico, Minnesota and California are remarkable for the dryness and purity of their air, and are subject to occasional changes of temperature, as well as winds. Another fact

worthy of special mention is, that the disease is seldom ever generated in those

As compared with the other places mentioned. Minnesota takes the palm from While some portions of California, and of the Pacific coast generally, are favorable retreats, others are less so. The mountains are rather cold and harsh,—the valleys too stagmant and moist. The country about Sacramento and the interior of the State is the most favorable; but even here, according to Dr. Hatch, of Sacramento, although the atmosphere is quite dry, it is very subject to abrupt changes, and extreme vicissitudes of temperature. The same is true of that portion of New Mexico and Texas, best adapted to consumptives—those fierce "northers," to which they are subject, often causing a change of temperature of 50 or 60 degrees in a few hours, and rendering winter clothing very acceptable. And vet Dr. Lawson says: "It is extremely probable, if not positively certain, that the territory known as New Mexico, embracing Santa Fe, is more favorable to consumptives than any point on the American continent, if not in the civilized world." Minnesota, at the time this was written, although even then a great resort for consumptives, had not become known to the slow Pegasus of the medical muse. Drs. Gregg and Hammond, in their accounts of the climate, show it to be very similar to, but inferior to that of Minnesota. It. is dryer—rather too dry—increasing the bronchial irritation and dyspensia, arising from inflammatory action of the mucous membrane of the stomech, and inflammation of the lungs. The climate is more changeable than ours, and subject to severer currents of wind. With these exceptions, the climate is very similar to ours. The air is dry and pure, and "persons withered almost to mummies are to be occasionally encountered, whose extraordinary age is only to be inferred from their recollection of certain notable events, which had taken place in times far remote."

Yet we have in Minnesota a climate superior as a resort for invalids, to even New Mexcico. We have never had any epidemic of typhoid or other fevers, but owing to its warmer climate (its yearly mean being 50° 6) New Mexico is somewhat subject to this class of disease. The typhoid fever raged there as an epidemic from 1837 to 1839. Our winds, instead of being strong, cold, and continued currents, constitute rather a lively agitation, or perturbation of the air; and finally, Minnesota is as accessible by railroad and steamers as Chicago, while in New Mexico, Dr. Lawson says that "the difficulty of access, as well as the want of accommodations, and the character of the population, (Indians and hunters, or "rangers,") will, for a long period, deter even those who have sufficient physical ability, from visiting the country."

The conclusion is thus forcibly impressed upon us, that for invalids, as well as for every class of inhabitants required to populate a State, Minnesota is superior

as a place of settlement to any region in the world.

Without asserting that all persons afflicted with pulmonary disease, will invariable recover in Minnesota, it may be safely claimed that no climate under heaven offers equal advantages to this class of invalids. While it is undoubtedly true that a larger percentage of those in the early stages of the disease will recover, there can be no doubt but that those in the second and third stages often No physician can foretell the result of a trial. The only method of deciding the question is by actual residence. There are those here, whom no one would take to be consumptives, who have had but one lung for over ten Many come too late, or coming in time, continue here the over-taxation of mind or body, or other unhealthy habits, which first broke them down. friends blame the climate, if they fail to recover; but the fact is well established, that any case within the reach of climatic influence, will get well here, if any-Another fact equally well established, is that a permanent residence here is better, in order to render the cure permanent. Many instances might be cited, where invalids, after spending a year or so here, and apparently got well, have gone East and died of the disease; of others, experiencing a return of the old symptoms, and making a second recovery after returning to Minnesota. Many cases, however, are cured, or greatly benefitted, by a sojourn of a few

much. Sanctimes years are required to effect a complete cure. It is better for all de let a to use so the bounds, of our ellipate, to cut loose from all basipe relation, where they reside this up their abude, and go into busines, love, as a resident to much little chances of recovery than a visitor, who is deprived of non-confocts and a or those S or vary, mure or les, everywhere, See are non-favorable than others, but fallen one year with another, Minus it as a sandarium, will be found all that it is represented to be.

MINNESOTA SCENERY RESORTS FOR TOURISTS.

The every of Minus of a has attracted the attention of many writers, painter as I root, and chelled cuberes he prope and corse, ever since the first white may sound or the brink of St. Authory's Palls, or I stered to the electul splashlace of Misseludia. The brilliant purity, dryness and elactivity of the air, bringby every object out with bold, distinct outlines, less a presiliar claim to the lovely energy which everywhere abounds. The rights, particularly, are serone and freetitof laxest description. Prot Manry, author of the "Physical Geography of the Son, aver: "At the small hours of male, at devereve and early morn, I have looked out with wonder, lave as I adminution, upon the steel blue sky of M caccota, set with domords and spainting with brilliants of purest ray, Herselell has said, that in Forope, the astronomer might consider himself highly favored, if by watching the sales for one year, he shall, daring that period, find, all told, one handred hours suitable for satisfactory observation. A telescope mounted here, in this atmo-phere, under the shies of Minnesota, would have its powers increased many times ever what they would be, under catopies less brilland and lovely," and many hundred such hours could be found here within

that period.

The State is encircled by lakes and rivers, like the garden of Eden, as pictured by the imagination. In fact, the numerous stream, and lakes of Minnesota, form one of its characteristic charms, and when it was the habitation of the Indians, they showed their approx atlan of them by erecting their rude 'odges on their shady, reliably shores. The larger lakes, with outlets, are from one to thirty miles in diameter. The smaller class, however, are much more numerous, and egenerally distributed, also, for their clear, white, sandy shores, set in gertle, gra sy slopes, or ranged with walls of rack, their public brach's sparkling with corne and a said a star, while the oak grove or the denier wood, which skirts its margin, completes the graceful and picture que outline." Prof. Many says: "There is a this territory a greater number of these levely sheets of langling water, than in all the country lookes. They give variety and beauty to the land cape; they setten the air, and lend all their thousand charms and attendto as to make this good a hand a lovely place of re-dense. We see that, with three beautiful decess of water, mature has done for the appear Missessipple what Ellett premoses from the done by the government for the Ohlo, and what Napoleon III is doing for the rivers of France."

The lake all second in Esh supplier in flavor and quality to those of the slugglik draws of the Wester, State. Many leaping brooks, fed by springs, are pure and cold as mountains, they are and abound by specified front. To the disaples of lack Walton, Minne of a is a perfect paradise. To one forel of the sport, a three could be more delightful than to drive out to one of the elevely hert of water, spendfur the heat of the day on their and, shore and the morning as evening in a small bout, with rod and tackle. In the spring and fall it have we all core of with darks and other water fowl, affording rate

amusement for the sportsman.

So the tunnet who come registe from hot pavements, brick walls, and offer cities relaxation of a self-from the eases of budges, re-rention and no up as then, could take up his abode in so more favored spot. Unlike the case ped quarters, artificial enjoyments and three conceptions of facility able places of resort. like surgions or Newport, where the heat, doct, and annoyance of city ofe, is found, without any of its computs, here the bload fields of primitive nature opens wide to view, and invites him to invade her precincts, invigorating body and mind.

From the first of May until the first of August, fishing is the principal sport. Sometimes wild pigeons, which often breed in our woods, may be shot in great numbers in June. After the first of August till frost, fowling commences, and the gun and dog take the place of hook and tackle. The first of August in Minnesota is what the first of September is in England, when the game law permits the shooting of prairie chickens, pheasants, grouse, &c., which abound everywhere. The larger game, such as deer, elk, and occasionally a bear or buffalo, come in with cold weather, and continue till spring. In the fall and spring, duck and geese are found plentifully in every little lake.

Not only to the mere sportsman does Minnesota offer superior attractions, but to the tourist generally, and all who would seek rest, natural repose, and quiet enjoyment, in a cool, bracing, and healthful climate, surrounded by all the pleasant associations of nature, "unmarred by the rude hand of art." Railroads and stage coaches may be taken, and the remotest parts of the State reached by

easy or rapid stages, as may be preferred.

Every variety of scenery will be met with on these excursions; now rugged, bold, grand, and imposing; now lovely, beautiful, and picturesque. The peculiar properties of the air impart a softened brilliancy to the landscape, similar to what is seen under the skies of Italy. When clothed in the sylvan garments of summer, decked with the floral gems of a thousand fragrant prairies, and lighted by the gorgeous tints of its sunshine, or mellowed and softened by the dreamy haze of the "Indian summer" of the autumn months, nothing could surpass the scenery of Minnesota, diversified as it is with rock-ribbed hills and slumbering valleys, woodland and prairie, lofty and rugged bluffs, ravines, gorges, cataracta, cascades, eternal springs of limpid purity, and leaping streams which never dry.

THE END.

The reader is referred to the second page of the cover for late official statements as to the School Fund, Amount of Logs and Lumber, Export of Wheat, Taxable Value of Property, Population, Rail Roads, Amount of State Debt, Reports from the State Land Officers, &c.

These could not be obtained in time for the body of the pamphlet, but will

in the main be found consistent with the facts therein stated.

SPECIAL NOTICE.

The first edition stated how this pamphlet is distributed. Many properly understand it and send me good long lists of names with post office address, yet others do not understand the plan, or, disregarding it, write me to send them ten, fifty, an hundred copies, or a bundle, for general distribution. Satisfied that a large proportion thus sent out in boxes and bundles are wasted, I tried a new plan, which does its work well. The pamphlet is mailed from my office to each name sent me.

The State now assists the supply, and this pamphlet is sent without cost. Lists of names in all parts of our own and foreign countries solicited, not exclusively those who think of changing their residence, but good citizens everywhere, who will read and circulate information regarding our State, of which, as yet, so little is really known.

WINONA AND ST. PETER

RAILROAD COMPANY.

1867.

1867

250,000 ACRES

OF THE

Finest Farming Lands in the Northwest

BUCOUR SEALTLES.

The William and St. Peter Radional Company now offer for sale 250,000 acres of their radio, studied in the condities of William Houston, Wilderson, William Le Gornello, Russello, Wilderson, Morre, et al., General, Russello, Wilderson, and Le Suour, and Upin, acres hombout their radioact extending from William of the State.

Mac 0.1867, and a squeatly conveyed by the state to the Company is shown the first to make fully as to the front may be undersective what occurs the grant to the first to be a square to see soft cost by soft of the make, or the part to my are control of the first principle of the first to my are to be soft of the first to make of the first to be sound in the United States.

In the service at the the most done by populated portion of the Scale,—
in many consequences a required scale bloody improved series, acres, other or
to the attentions a required school, chere has narraets, etc., equal to many
of the Eastern States.

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The attent of all to act the U, to the come poor man, who do it is a hear for a little of the complete the unit of the complete the com

Anjoi haware this card has been at this office and I ample to the state will be I ample to the state of the Land Department, or by letter, to

H. W. LAMBERTON,

Land Commissioner Winona and St. Peter R. R. Co.,

Winoua, Minnesota.

Hastings and Dakota Railway

HAS A

Land Grant of 1,280,000 Acres.

BEGINS AT HASTINGS,

Runs nearly due west to Dakota Territory at the foot of Big
Stone Lake through the counties of

DAKOTA, SCOTT, CARVER, McLEOD and RENVILLE.

These counties, in which lies the Land Grant of this road, are as fertile and prosperous as any other section of like extent in the world. They cover a strip of land about forty miles in width, belting the centre of Minnesota from east to west, unsurpassed in rural picturesque beauty, ease of cultivation, healthfulness of climate, productiveness of soil and readiness of access.

Tubular view arranged from published statistics of State Auditor:

		do. Animals.		365. Animala.	March Company	Percent-	
Countles.	No of.	Value.	No. of.	Value of.	value in five years.	age in crease.	
Dakota	5,348 3,522	\$160,440 114,060	28,210 17,862	\$928,400 718,280	\$767,960 598,630		
McLeod	1,894 597	41,820 17,910		706 480 287 240	664,660 263,380		

Productions, 1865.

			-											
Countles.	Wheat	Aer's.	Rye	Am	BWh	Ac.	Oats.	Aer's	Coru	Acr's.	Barl'y	Ac.	Potato's	Ac.
-	-				-				-					
Dakotu,	626,5 (2	28,190	1,1300	51	2,059	100	248,610	5, 92,	116 (80)	3.757	21,274	719	116,384	825
Scott,	1.0.116	9,424	1,3134	7:3	6,36	36	115.1 4	2,834	97.481	2,3 5	8,780	148	86,873	178
Carver,	161,411	7,295	3,300	164	14.215	360	95,888	2,834	79,051	2,017	, 2,212	615	81.35	+99

Besides, Sorgum, Wool, Butter and Cheese, are produced in large quantities. There is scarcely a limit to the production of grain on the line of this road. Prairie farms are broken up and with any decent cultivation will yield

Ten Dollars per Acre clear profit every Year.

This Company will offer for sale this year in McLeod and adjoining counties

TO ACTUAL SETTLERS ONLY.

128 000 acres of the best lands in Minnesota, and will put on the market each year 128,000 acres additional for ten years. Prices and terms more favorable than any other Company. Address, with stamp, Land Commissioner, H. & D. Railway, at Hastings, Minnesota.

WM. G. LE DUC, President,

Milwaukee and Saint Paul Railway

The Shortest, Best, and Most Expeditious Route to the Northwest.

CONNECTING WITH THIS ROAD ARE,

AT MILWAUKEE—The "Milwankee Division" of the Chicago and Northwestern Railway—formerly Chicago and Milwankee Railway, in Union Depot; the Detroit and Milwankee Railroad and Steamship Line—and the Propeller Lines on the Lakes, also land near the Depot.

THIS ROAD CONNECTS WITH,

AT WATERTOWN JUNCTION—Chicago and North-western Railway, for Fond du Lac, Oshkosh and Green Bay.

AT LA CROSSE—Steamers in Summer and Stages in Winter, running in direct connection with Winona and St. Peter and Minnesota Central Railways, from Winona to St. Paul, Minneapelis, and all interior points; also with the

FINE LINE OF STEAMERS

Of Northwestern Union Packet Company, for St. Paul and intermediate river points.

Purchase Tickets via Milwaukee and La Crosse,

BAGGAGE CHECKED THROUGH.

MAGNIFICENT SLEEPING CARS ON NIGHT TRAINS.

A. V. H. CARPENTER,

S. S. MERRILL,

General Passenger Agent.

General Manager

Minnesota Valley

RAIL ROAD COMPANY,

Saint Paul, - - Minnesota,

FROM ST. PAUL, via MANKATO, TO SIOUX CITY. COMPLETED TO BELLE PLAINE—48 MILES.

A Land Grant of 1,200,000 Acres.

The Company now offer for sale and settlement 350,000 acres of their lands, comprising some of the very finest and most productive farming land in the West, at prices from \$5 to \$10 per acre.

These lands were old sections, withdrawn from sale in 1857, the even sections being mostly sold to actual settlers. The country is consequently well settled and improved, with roads, school houses, churches, and numerous towns and villages.

The lands consist of both timber and prairie, with rich soil and finely watered, with a climate superior to that of any of the Western States.

The lands now offered are situate in the counties of Dakota, Hennepin, Carver, Scott. Sibley, LeSueur, McLeod, Nicollet, Blue Earth, Brown, Watonwan, Martin, and Cottonwood.

GENERAL TERMS OF SALE:

One-fifth cash, balance in five annual payments, with interest at the rate of 7 per cent. per annum, or a discount of 10 per cent. on four-fifths of purchase money for cash sales.

All applications for the purchase of lands, or any information regarding them, may be addressed to the

"LAND DEPARTMENT,"

Minnesota Valley Railroad Company, St. Paul.

OFFICERS OF THE COMPANY:

E. F. DRAKE, President.
J. L. MERRIAN, Vice Pres't.

G. A. Hamilton, Secretary. H. Thompson, Treasurer.

North Western UnionPacket Co.

The splendid steamers of this Company will run during the season of navigation, between St. Paul and Dubuque, forming a daily line, and making close connections at

DUNLLIIII. with trains of Illinois Central R. R. DUBUQUE, Dubuque Sioux City R. R. PR. DU CHIEN & Mil. & Prairie du Chien & Mc-. . McGREGOR. Gregor W. Railways. Mil. & St. Paul R. W. 66 LACROSSE. Winona & St. Peter R. W. WINONA. St. Paul & Pacific R. R. Minnesota Valley R. R. Minnesota Central R. R. ST. PAUL.

These steamers are unsurpassed by any on the Upper Missisippi, for speed, safety, and condort. They are elegantly fitted for the accommodation of passengers, and are commanded

by experienced Captains.

The traveler or tourist on this route sees the many young cities and villages that have grown up, as if by magic, along the shores of the Mississippi river, from Dubuque to St. Paul, among which are McGregor, Prairie du Chien, LaCrosse, La-Crescent, Winona, Wabashaw, Lake City, Red Wing, Prescott. Hastings, &c. He also passes through Lake Pepin, a beautiful sleet of water, thirty miles in length, embellished on either side with grand and interesting scenery. Indeed, all along the river are found spectacles of a very romantic and picturesque character, unequaled in the new world, if indeed in the old. The art-embellished shores of the Hudson do not compare with the grand, wild, natural scenery, with which nature has festooned the shores of the Father of Waters in Minnesota; and cultivated travelers from abroad, have again and again asserted, that there is nothing in the old world to equal it not even in Italy, Switzerland, or the Rhine, mid the vine-clad hills of old France! '

Passengers can purchase through tickets to all principal points East and South, at the offices of the Company. Westward bound passengers can also procure tickets over this route, at all Eastern Railroad offices.

W. F. DAVIDSON, President.

St. Patl, Minnesota—Office corner of Jackson Street and Levee.

Lake Superior & Mississippi

The line of this road is from St. Paul, the head of navigation on the Mississippi river, to the head of Lake Superior, a distance of 140 miles. It connects at St. Paul, with each of the long lines of railroad traversing the vast and fertile regions of Minnesota, in all directions, and converging at St. Paul.

It connects the commerce and business of the Mississippi and Minnesota rivers, the California Central Railroad, and the Northern Pacific Railroad, with Lake Superior and the commercial system of the great lakes, and makes the outlet or commercial track to the lakes, over which must pass the commerce of a region of country, second to none on the American continent, in capacity to furnish all the items of trade and commerce that will go to make up a vast business for this road.

The land grant made by the government of the United States and by the State of Minnesota, in aid of the construction of this road, is the largest in quantity and most valuable in kind, ever made in aid of any railway in either of the American States.

This grant amounts to seventeen square miles or sections (10,880 acres) of land for each mile of the road, and in the aggregate to one million six hundred and thirty-two thousand acres of land.

These lands are for the most part well timbered with pine, butternut, white oak, sugar maple, and other valuable timber, and are perhaps better adapted to the raising of stock, winter wheat, corn, oats, and most kinds of agricultural products, than any equal quantity of land in the Northwest.

These lands are well watered with running streams and innumerable lakes, and within the limits of the land belonging to the Company, there is an abundance of water-power for manufacturing purposes.

A glance at the map, and an intelligent comprehension of the course of trade, and way to the markets of the eastern cities and to Europe, for the products of this section of the Northwest, will at once satisfy any one who examines the question, that the lands of this Company, by reason of the low freights at which their products reach market, have a value—independent of that which arises from their superior quality—which can hardly be over-estimated.

Twenty cents saved in sending a bushel of wheat to market, adds \$4 to the yearly product of an acre of wheat land, and what is true of this will apply to all other articles of farm produce transported to market, and demonstrates that the value of lands depends largely on the price at which their products can be carried to market.

THE LANDS OF THIS COMPANY

ARE NOW OFFERED TO

IMMIGRANTS AND SETTLERS

At the most favorable rates, as to time and terms of payment.

W. L. BANNING,

President.

1867.

MINNESOTA CENTRAL RAILWAY.

This Land Grant Railroad starts from Minneapolis and St. Paul, (junction at Mendota) and is now completed to Owatonna, over seventy miles, where it intersects the Winona and St. Peter Railroad. The "Central" will be pushed forward with energy to Austin, Mower county, there to connect with the "McGregor and Western" Railroad, "Cedar Valley" Railroad, and the Southern Minnesota Railroad. The Minnesota Central Road passes through the most delightful and productive portion of the State, traversing the wealthy counties of Hennepin, Dakota, Rice, Steele, Dodge, and Mower. The tourist, by this route, passes by the renowned " Falls of Minnehaha," "Glorious old Fort Snelling," the immense bridges that span the Minnesota river, where it meets the Mississippi, within full view, at the same time, of Mendota, Fort Snelling, and the three young cities of St. Paul, St. Anthony, and Minneapolis. But it is reserved to the tourist. in harvest time, to behold a spectacle worth all these, when he becomes a "living witness" to the wealth of grain with which Minnesota soil rewards the husbandman!

SELAH CHAMBERLAIN, President.

D. C. SHEPARD, General Superintendent.

SOUTHBRA HANDSOTA

Rail Road Company.

T. B. STODDARD, - - - - President.
C. D. SHERWOOD, - - Vice President.
LUKE MILLER, - - - Treasurer.
C. G. WYCKOFF, - - - Secretary.
B. D. SPRAGUE, - - Land Commissioner.

This road starts at LaCrescent, and is now completed to Rushford, and work on it will be pushed forward vigorously towards its terminus.

Being a Land Grant Road, this Company is endowed with a wealth of land not surpassed by any Road in the State. Passing, as it does, through the wealthy and populous counties of Houston, Fillmore, Mower, Freeborn, Faribault, Martin, and Brown, it traverses the rich valley of Root river, thence through a region of unsurpassed fertility, to the western line of the State.

The Company now offer for sale

40,000 ACRES OF LAND

at from \$3 to \$8 per Acre, upon long time, at reasonable interest.

Much of this land is of excellent quality,—some prairie and some well wooded—all of it in a region traversed by never-failing streams of pure water,—in the midst of settled neighborhoods and districts, rapidly filling up with an active and intelligent population. The fine water power of Root river is being developed, and will add greatly to the wealth, population, and importance of this portion of the State.

THE SAINT PAUL PIONEER.

THE OLDEST AND BEST NEWSPAPER IN THE STATE.

A DEMOCRATIC DAILY, TRI-WEEKLY, & WEEKLY JOURNAL.

As an advertising medium the Saint Paul Pioneer is unsurpassed by any paper in the Northwest.

TERMS.

Daily, 1 year, \$10.00

Tri-weekly, 1 year, \$6.00 6 mo's, 3.00 Weekly, I year, \$2.00 " 6 mo's, 1.00

Address.

"PIONEER PRINTING COMPANY,"

SAINT PAUL, MINNESOTA.

THE SAINT PAUL PRESS.

DAILY, TRI-WEEKLY, AND WEEKLY.

THE LEADING REPUBLICAN PAPER OF THE STATE.

Advertisers are assured that its Total Circulation is Three-Fold that of any other Paper published in Minnesota.

Especial Attention paid to Statistics of the Development and Growth of the State.

DAILY—One Year, \$10.00; Three Months, \$2.50 TRI-WEEKLY " 6.00; " 1.50

"THE WEEKLY PRESS" is the LARGEST PAPER published west of Chicago.

Rates of Subscription—One Year, - \$2.00 Address, "Press Printing Co., St. Paul, Minn."

RAMALEY & HALL, Book & Job Printers & Bookbinders,

THIRD STREET, ST. PAUL.

PUBLISHERS OF THE WEEKLY

SAINT PAUL COMMERCIAL,

The only Commercial Paper in the State.

TERMS---ONE DOLLAR PER YEAR, IN ADVANCE.

The Morth-Western Chronicle,

THE ONLY

Representative Catholic Journal in the NORTH-WEST.

Published with the approval of Rt. Rev. Bishop of St. Paul.

By JOHN C. DEVEREUX.

Catholic Block, Third street, St. Paul, Minn.

FIRST DIVISION OF THE

St. Paul & Pacific Railroad Company

LAND DEPARTMENT

FARMS AND HOMES IN MINNESOTA.

This Company now offers for sale over

THREE HUNDRED THOUSAND ACRES

of the best PRAIRIE, MEADOW, and TIMBER Farming Lands in the West, in lots of 40, 80, or 160 acres, at low prices, for cash, for the Real Estate Bonds of the Company at par, or on long credit at seven per cent. interest

To Colonists, either American or Foreign, choice localities are offered, every way suitable.

MINNESOTA IS THE BEST WHEAT STATE IN THE UNION.

The Branch Line of this Company is now completed to Saint Cloud. The Lands granted by Act of Congress, approved March 3, 1857, amounting to six sections per mile, have been certified to the State, and by the State deeded to the Company.

The Company now offer for sale to actual settlers, over THREE HUN-

DRED THOUSAND ACRES OF LAND.

These lands lie in the Valley and on either side of the Upper Mississippi River; they are adjacent to the line of completed Railroad. Among them are some of the best Timber, Meadow, and Prairie lands in the country.

They are located in Anoka, Sherburne, Benton, Stearns and Wright Counties. Ten years ago Minnesota imported her breadstuffs; in 1866 her production of wheat is estimated at Sixteen Millions Bushels, and her other products of Corn, Rye, Oats, Potatoes, Wool and Lumber, enter largely into the commerce of the country.

The climate is healthy, the soil fertile, and the lands the cheapest now

offered for sale in the West.

These lands have been reserved from sale since 1857; they are in the midst of considerable settlements, and convenient to churches, schools and established roads and markets.

TO PERSONS OF SMALL MEANS, who desire to make a home for themselves and their children in a healthy and productive region; to STOCK RAISERS AND WOOL GROWERS, inducements are now offered by this Company never before held out in the United States.

The Company also Offer to Actual Settlers Only,

their lands on the main line, near their line of road from Saint Paul, via Saint Anthony, Minneapolis, Minnetonka Lake, Crow River, to Big Stone Lake, on the Western boundary of the State.

These lands are considered as the most valuable in the State, and are located in the counties of Hennepin, Carver, Wright, McLeod, Meeker, Kandiyohi and Monongalia.

For further particulars apply to

GEO. L. BECKER, President,

SAINT PAUL, MINN.